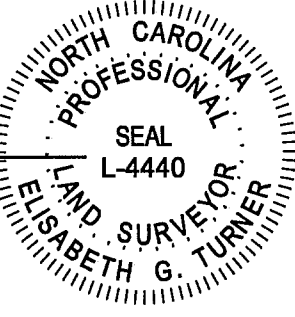


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Elisabeth G. Turner
 ELISABETH G. TURNER, P.L.S. #L-4440



REFERENCES:
OWNER:
 NORTH CAROLINA ECOSYSTEM ENHANCEMENT PROGRAM
 1652 MAIL SERVICE CENTER
 RALEIGH, NC 27099-1652
 (919)715-1157
 PROJ. MGR.: PAUL WIESNER

CONTRACTOR:
 RIVER WORKS, INC.
 RALEIGH, NC
 (919)582-3574

DESIGNER:
 MICHAEL BAKER ENGINEERING, INC.
 ASHEVILLE, NC
 (828)350-1408

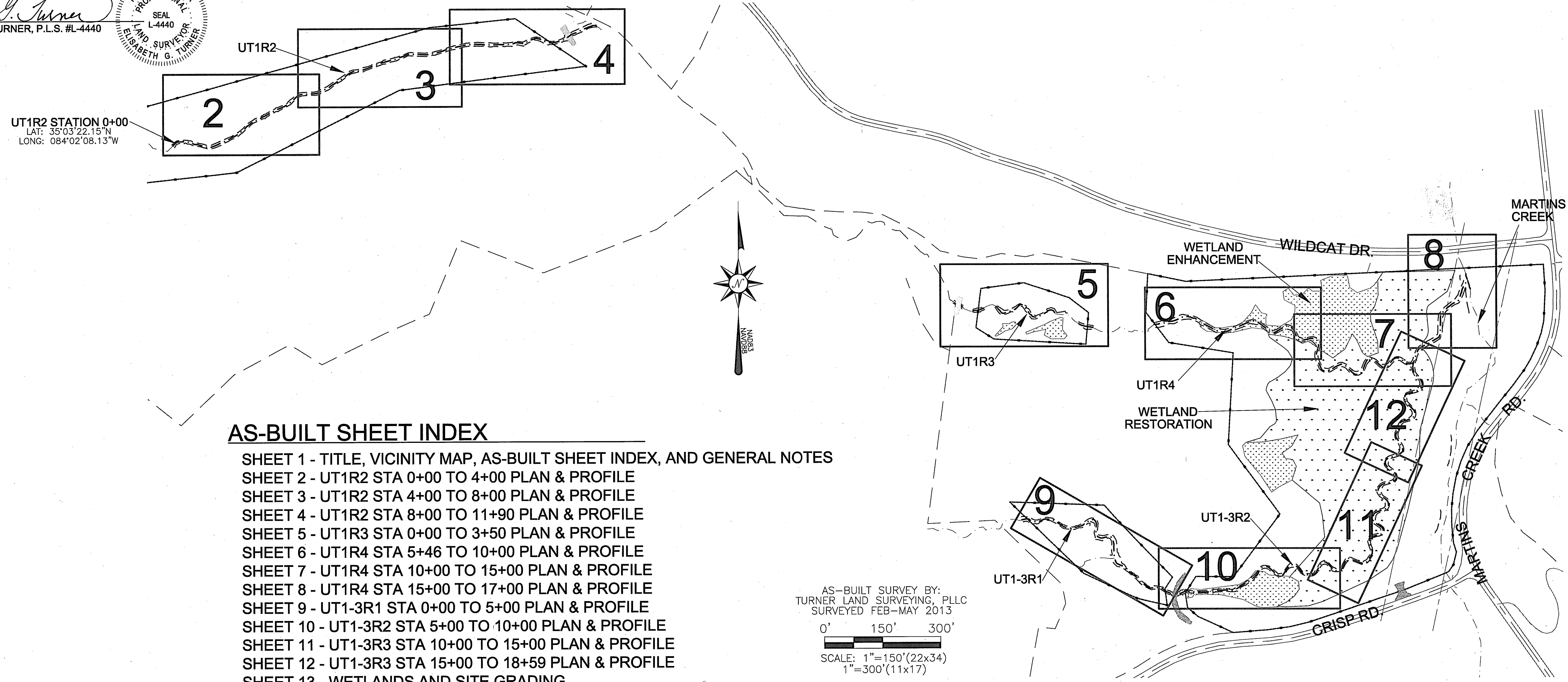
PROPERTY OWNER:
 ESTATE OF FRANCIS C. BOURNE, SR. (PATRICK CRAIG, TRUSTEE)
 CONSERVATION EASEMENT
 RECORDED IN DB 1394, PG 563 IN THE CHEROKEE COUNTY NC REGISTER OF DEEDS.

AS-BUILT SURVEY OF MARTINS CREEK II MITIGATION PROJECT

CHEROKEE COUNTY, NC

SCO PROJECT NO. #08-07251-01
 EEP PROJECT ID #92633

- GENERAL NOTES**
1. ALL DISTANCES ARE HORIZONTAL UNLESS OTHERWISE NOTED.
 2. THE VERTICAL DATUM IS NAVD88.
 3. THE BASIS OF BEARINGS IS NCGS STATE PLANE GRID COORDINATES NAD83 (NSRS 2007) DATUM.
 4. CONTROL IS BASED ON EXISTING CONTROL DATA AS SHOWN ON SHEET 17 OF THE DESIGN PLANS AND RECOVERED DURING THE CONSTRUCTION & AS-BUILT SURVEYS. ADDITIONAL CONTROL ESTABLISHED USING GPS/RTK METHODS PRIOR TO CONSTRUCTION. THE CONTROL POINTS USED DURING THE AS-BUILT SURVEY ARE LISTED ON AS-BUILT PLAN SHEET 13.
 5. THIS MAP IS NOT FOR RECORDATION, SALES, OR CONVEYANCES AND DOES NOT COMPLY WITH G.S. 47-30 MAPPING REQUIREMENTS.
 6. THE SOLE PURPOSE OF THIS SURVEY IS TO SHOW THE CONSTRUCTED STREAM AND THE FEATURES RELATED TO THE RESTORATION PROJECT.
 7. THE 0+00 STATIONS ARE MATCHED WITH THE DESIGN 0+00 STATIONS HOWEVER THE AS-BUILT SURVEY LENGTH MAY VARY SLIGHTLY FROM THE DESIGN LENGTH.
 8. FEATURES OUTSIDE THE AS-BUILT LIMITS OF DISTURBANCE INCLUDING BUT NOT LIMITED TO EXISTING UTILITIES, EASEMENTS, DRAINAGE, & PROPERTY LINES WERE NOT LOCATED BY TURNER LAND SURVEYING, PLLC. ALL FEATURES SHOWN OUTSIDE THE AS-BUILT LIMITS WERE TAKEN FROM EXISTING CONDITIONS AND DESIGN DATA PROVIDED BY THE DESIGNER.
 9. CONSERVATION EASEMENT PROVIDED BY DESIGNER.
 10. RIGHT PRONG AND ITS TRIBUTARIES ARE NOT INCLUDED IN THIS AS-BUILT SURVEY. PLEASE REFER TO DESIGN PLANS FOR ENTIRE PROJECT SITE PLAN AND DESIGN SUMMARY.



AS-BUILT SHEET INDEX

- SHEET 1 - TITLE, VICINITY MAP, AS-BUILT SHEET INDEX, AND GENERAL NOTES
- SHEET 2 - UT1R2 STA 0+00 TO 4+00 PLAN & PROFILE
- SHEET 3 - UT1R2 STA 4+00 TO 8+00 PLAN & PROFILE
- SHEET 4 - UT1R2 STA 8+00 TO 11+90 PLAN & PROFILE
- SHEET 5 - UT1R3 STA 0+00 TO 3+50 PLAN & PROFILE
- SHEET 6 - UT1R4 STA 5+46 TO 10+00 PLAN & PROFILE
- SHEET 7 - UT1R4 STA 10+00 TO 15+00 PLAN & PROFILE
- SHEET 8 - UT1R4 STA 15+00 TO 17+00 PLAN & PROFILE
- SHEET 9 - UT1-3R1 STA 0+00 TO 5+00 PLAN & PROFILE
- SHEET 10 - UT1-3R2 STA 5+00 TO 10+00 PLAN & PROFILE
- SHEET 11 - UT1-3R3 STA 10+00 TO 15+00 PLAN & PROFILE
- SHEET 12 - UT1-3R3 STA 15+00 TO 18+59 PLAN & PROFILE
- SHEET 13 - WETLANDS AND SITE GRADING

AS-BUILT SURVEY BY:
 TURNER LAND SURVEYING, PLLC
 SURVEYED FEB-MAY 2013

SCALE: 1"=150'(22x34)
 1"=300'(11x17)

REVISIONS, DATE, AND INITIAL:

TURNER LAND SURVEYING, PLLC
 3201 Glenridge Drive, Raleigh, NC 27604 - (919)875-1378
 P-0702 - Ltturner21@att.net - Dturner119@att.net
 www.TURNERLANDSURVEYING.com

TITLE, VICINITY MAP, AS-BUILT SHEET INDEX, & GENERAL NOTES

AS-BUILT SURVEY OF MARTINS CREEK II MITIGATION PROJECT

CHEROKEE COUNTY

MURPHY

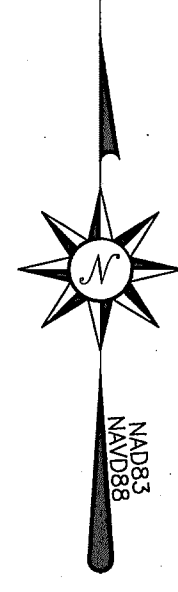
NORTH CAROLINA

DATE:	06/18/13
SURVEYED BY:	DST/EGT
DRAWN BY:	DST/EGT
REVIEWED BY:	DST/EGT
PROJECT:	TLS-12-022
FILE:	MARTINS CREEK II_92633_AB_TLS_F
SCALE:	AS SHOWN

SHEET 1 of 13

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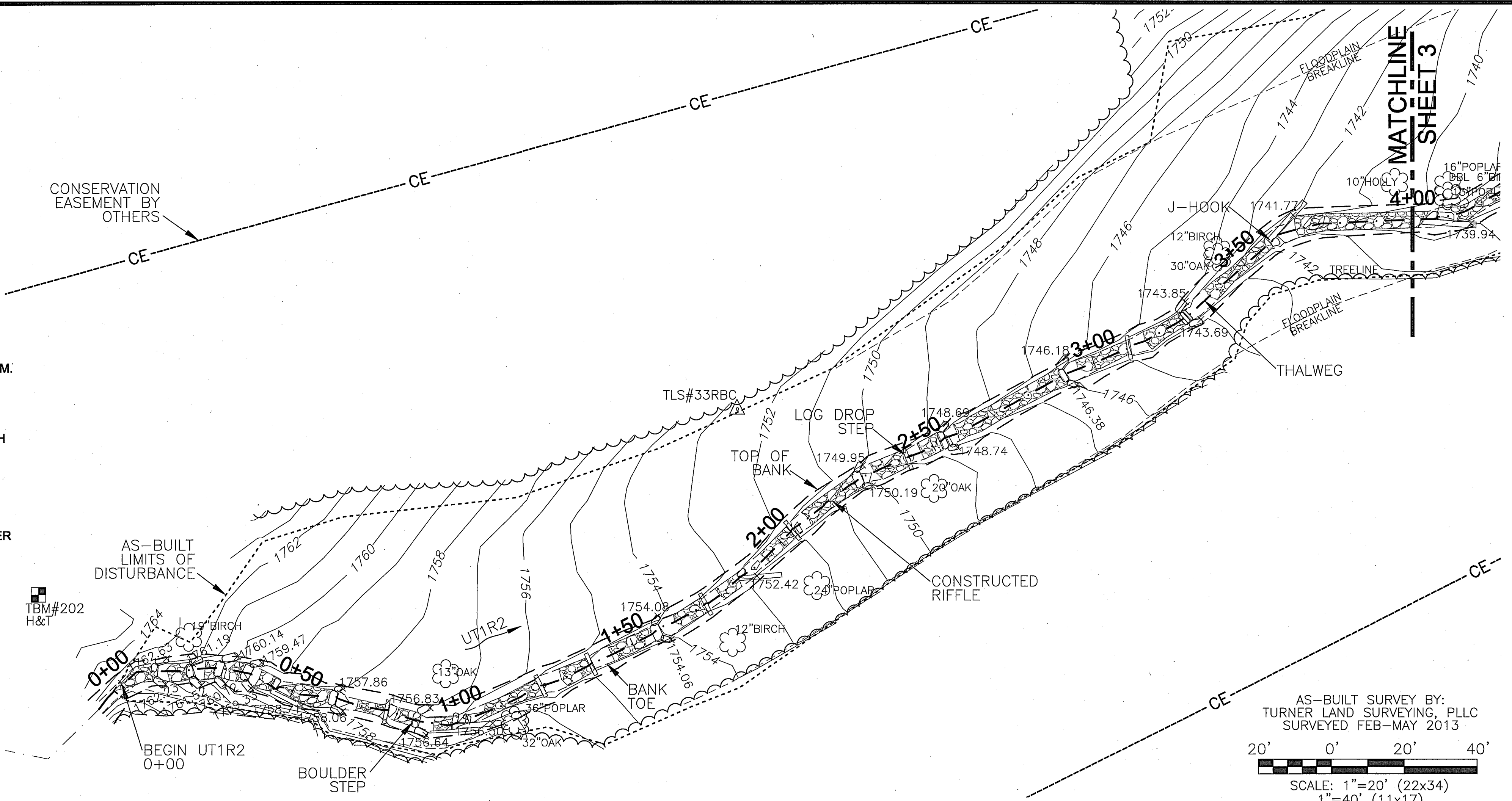
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 NORTH CAROLINA PROFESSIONAL LAND SURVEYOR SEAL L-4440



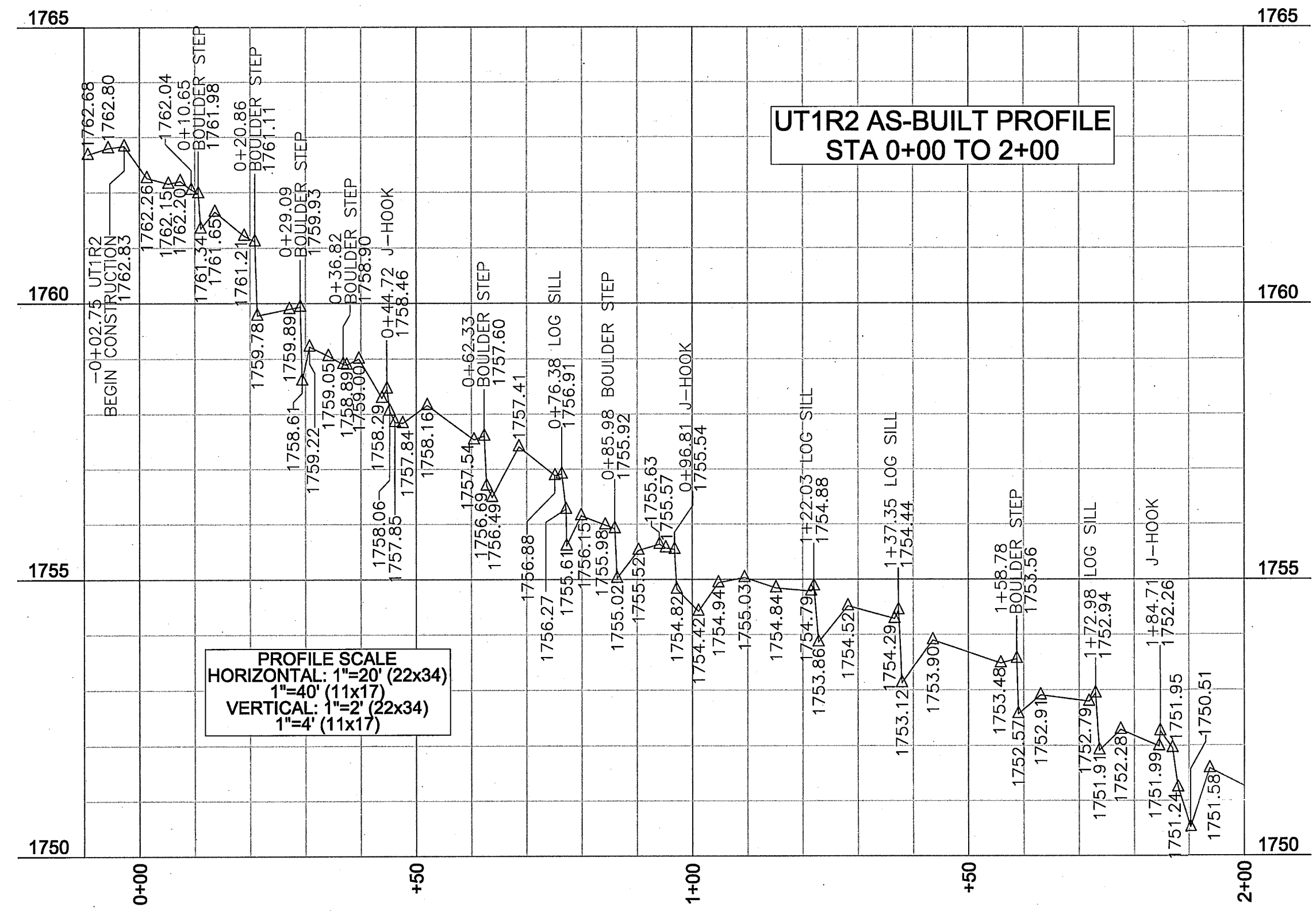
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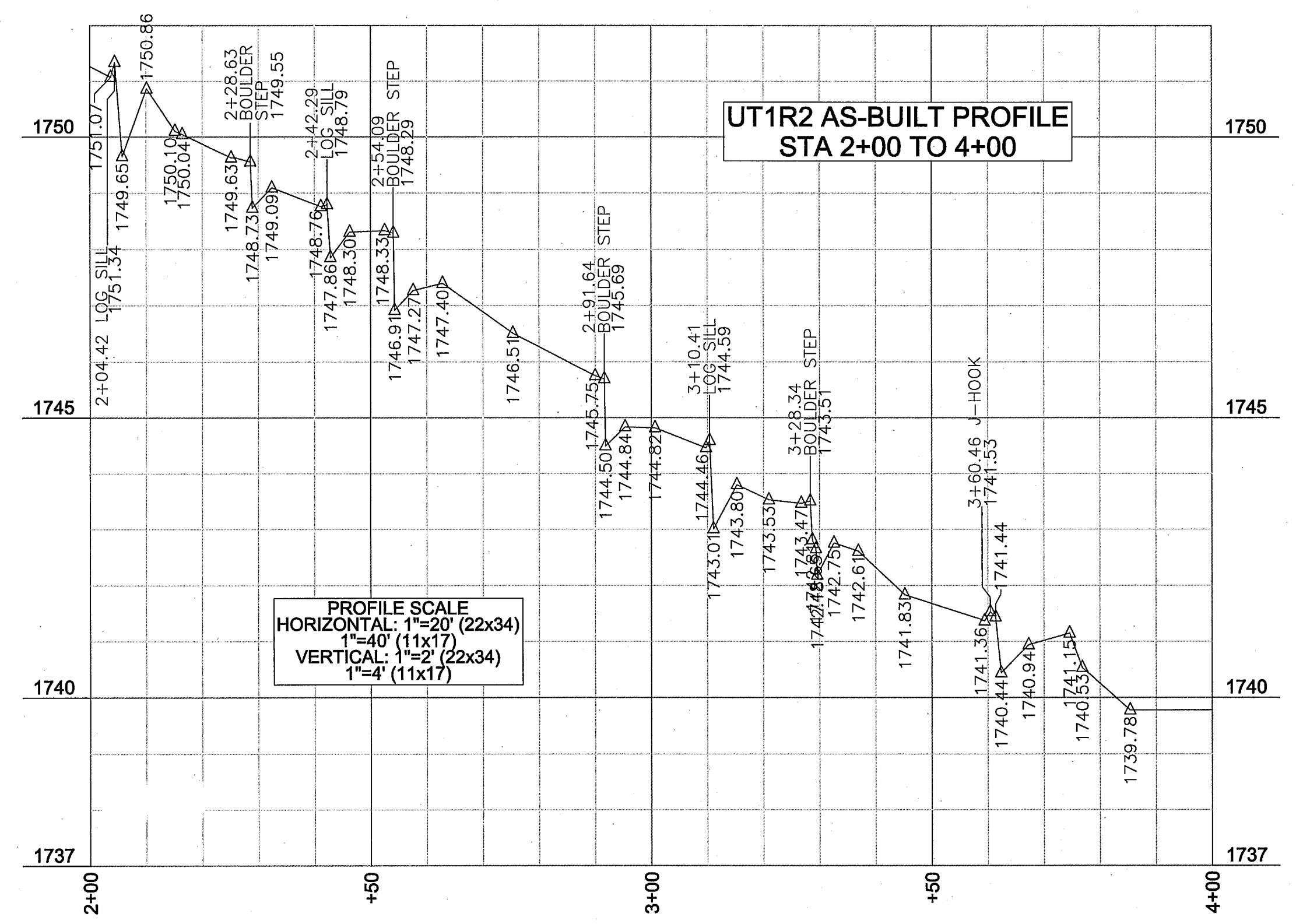
LEGEND:					
	THALWEG		CONSTRUCTED RIFFLE		BOULDER STEP
	EX. THALWEG		STREAM CROSSING		J-HOOK
	TOP OF BANK		BEDROCK		LOG DROP STEP
	BANK TOE		CONTROL PT./ BENCHMARK		EX. TREE
	AS-BUILT LOD		STRUCTURE ELEV. AT BANK TIE IN		
	CONSERVATION EASEMENT (BY OTHERS)				



AS-BUILT SURVEY BY:
 TURNER LAND SURVEYING, PLLC
 SURVEYED FEB-MAY 2013
 20' 0' 20' 40'
 SCALE: 1"=20' (22x34)
 1"=40' (11x17)
 CONTOUR INTERVAL = 1'



PROFILE SCALE
 HORIZONTAL: 1"=20' (22x34)
 1"=40' (11x17)
 VERTICAL: 1"=2' (22x34)
 1"=4' (11x17)



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UT1R2 STA 0+00 TO 4+00 PLAN & PROFILE
 AS-BUILT SURVEY OF
MARTINS CREEK II
 MITIGATION PROJECT
 MURPHY
 CHEROKEE COUNTY
 NORTH CAROLINA

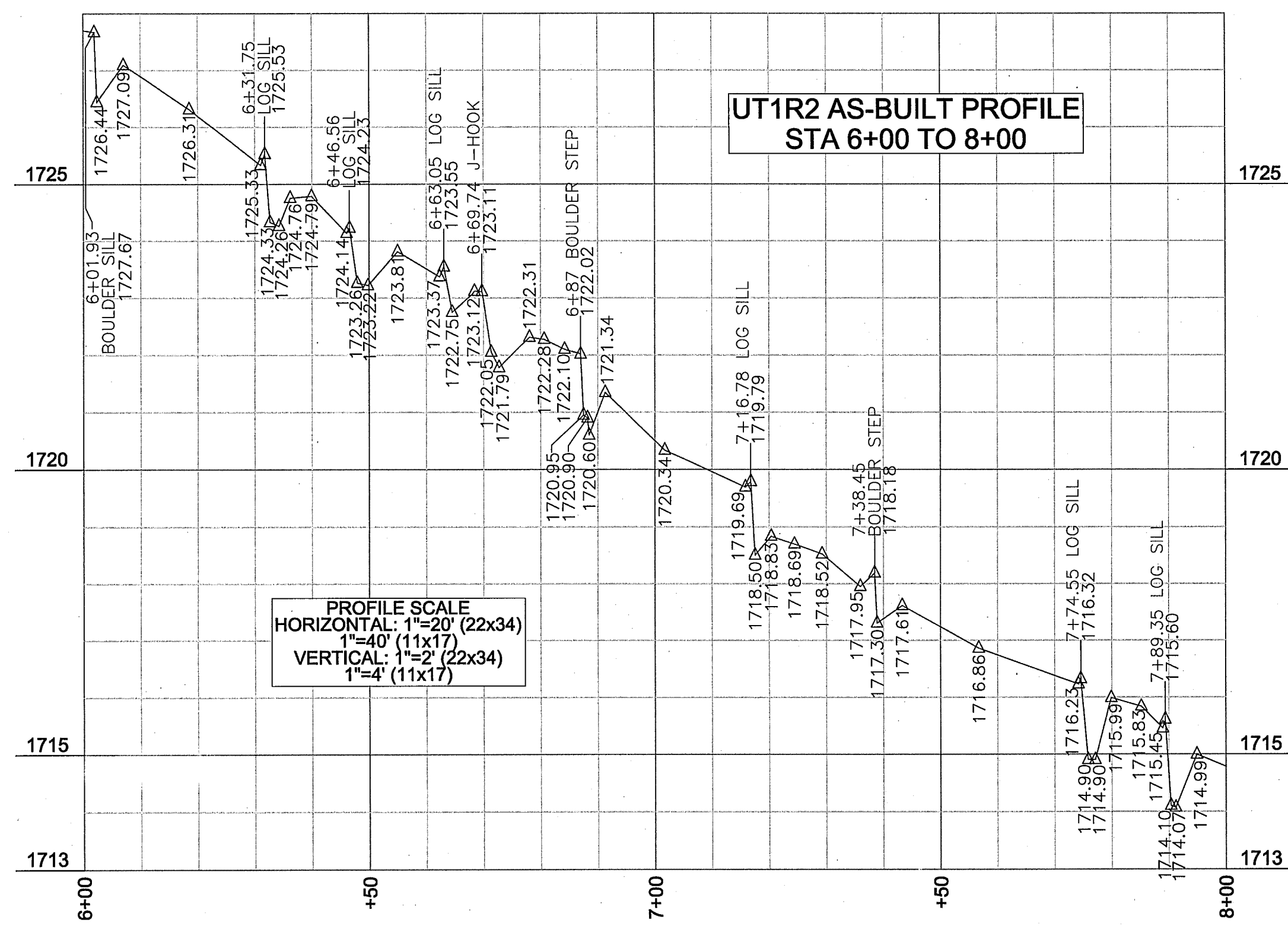
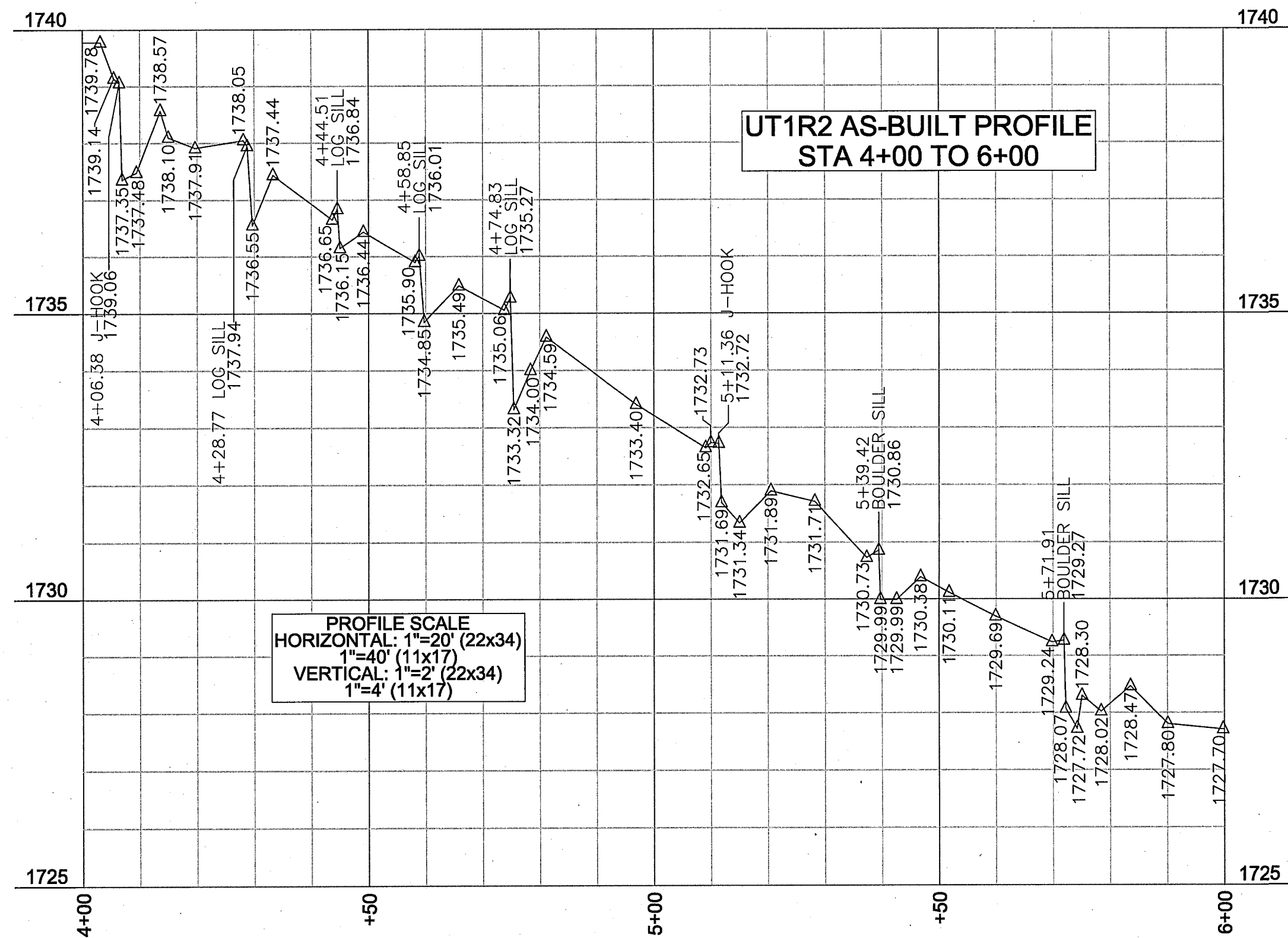
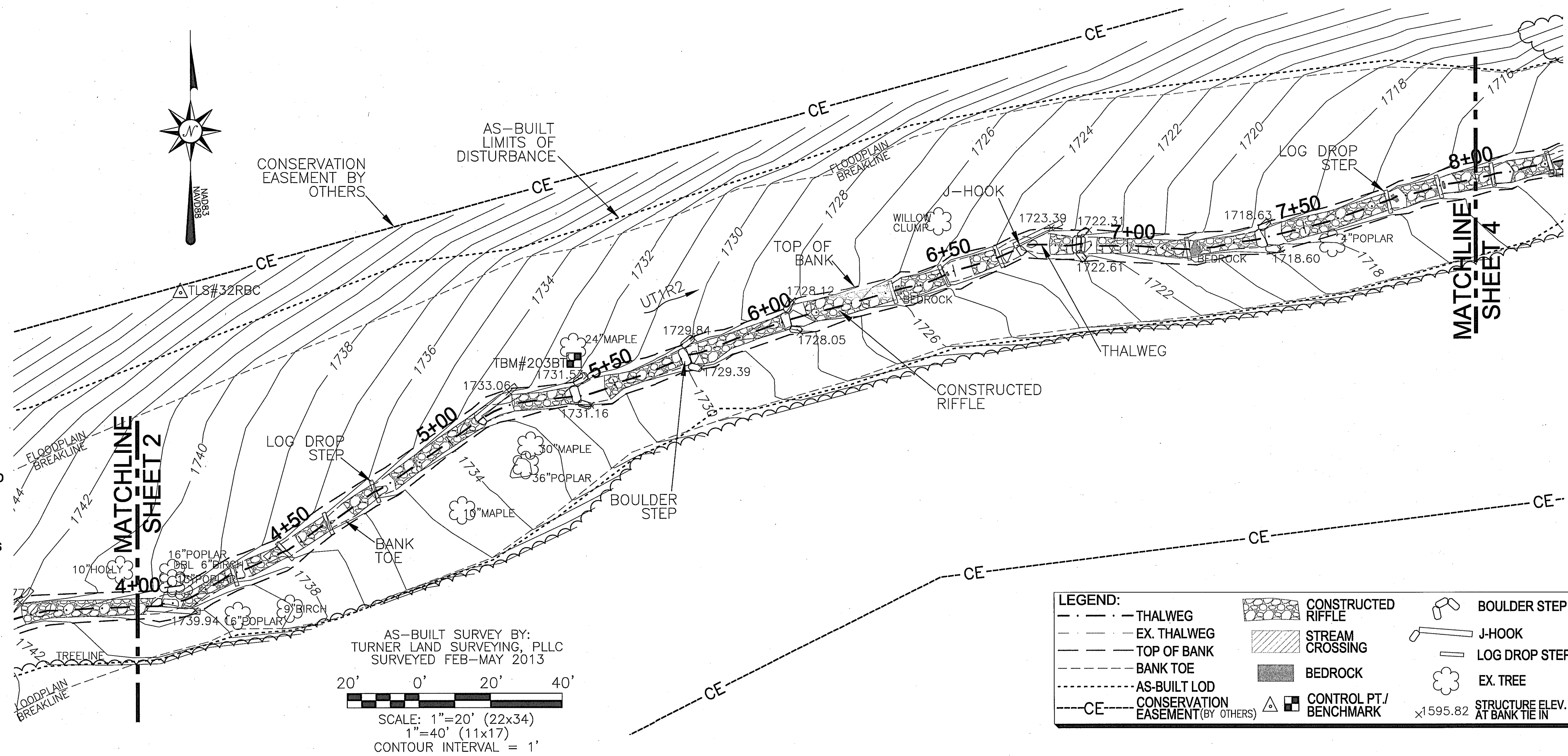
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 DRAWN BY: DST/EGT
 REVIEWED BY: DST/EGT
 PROJECT: TLS-12-022
 FILE: MARTINS CREEK II 92633_AB_TLS_F
 SCALE: AS SHOWN

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 ELISABETH G. TURNER, P.L.S. #L-4440
 NORTH CAROLINA PROFESSIONAL LAND SURVEYOR
 SEAL L-4440
 ELISABETH G. TURNER

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REVISIONS, DATE, AND INITIAL

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 3201 Glenridge Drive, Raleigh, NC 27604 - (919)875-1378
 P-0702 - Lturner921@att.net - Dturner119@att.net
 WWW.TURNERLANDSURVEYING.COM

AS-BUILT SURVEY OF MARTINS CREEK II MITIGATION PROJECT
 MURPHY

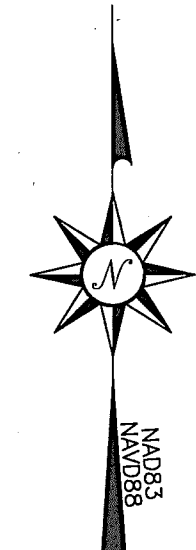
CHEROKEE COUNTY

DATE: 06/18/13
 SURVEYED BY: DST/EGT
 DRAWN BY: DST/EGT
 REVIEWED BY: DST/EGT
 PROJECT: TLS-12-022
 FILE: MARTINS CREEK II_92633_AB_TLS_F
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SHEET **3 of 13**

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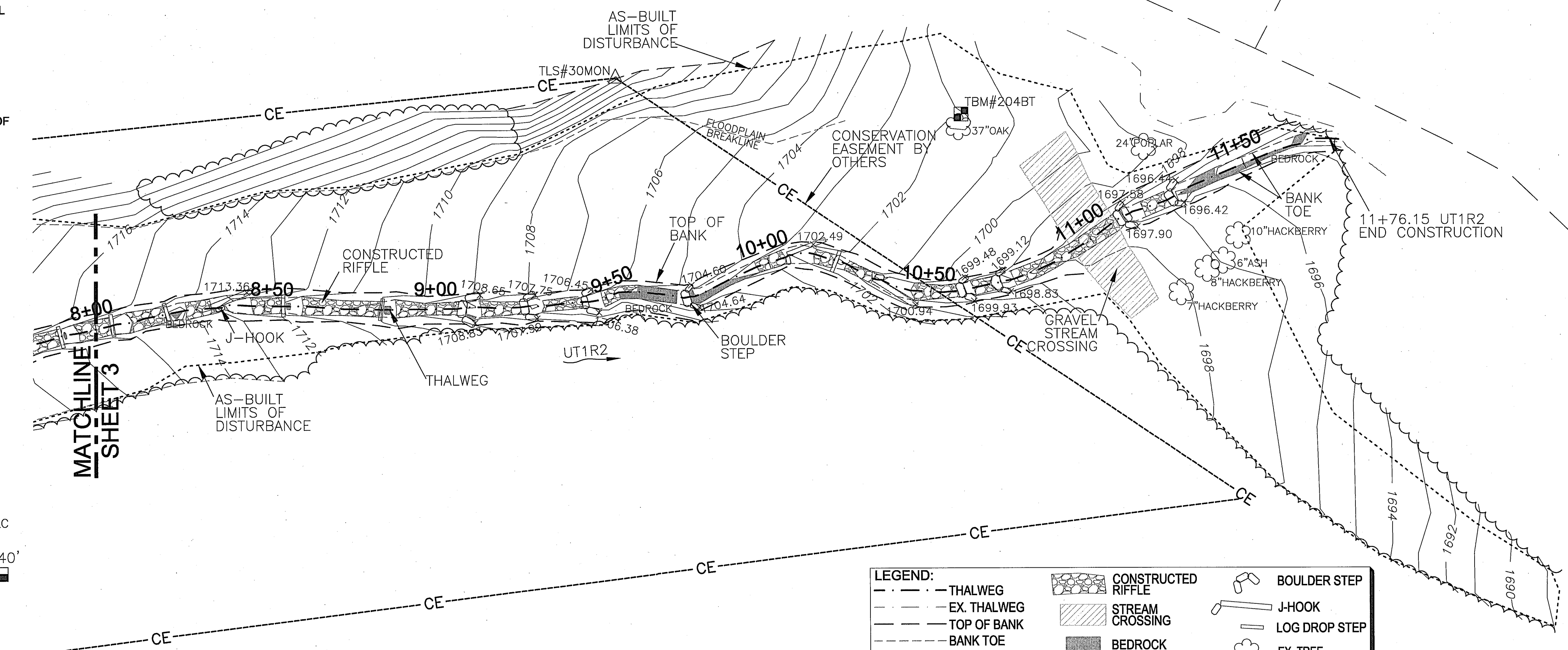
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 NORTH CAROLINA PROFESSIONAL LAND SURVEYOR
 SEAL L-4440
 ELISABETH G. TURNER



AS-BUILT SURVEY BY:
 TURNER LAND SURVEYING, PLLC
 SURVEYED FEB-MAY 2013

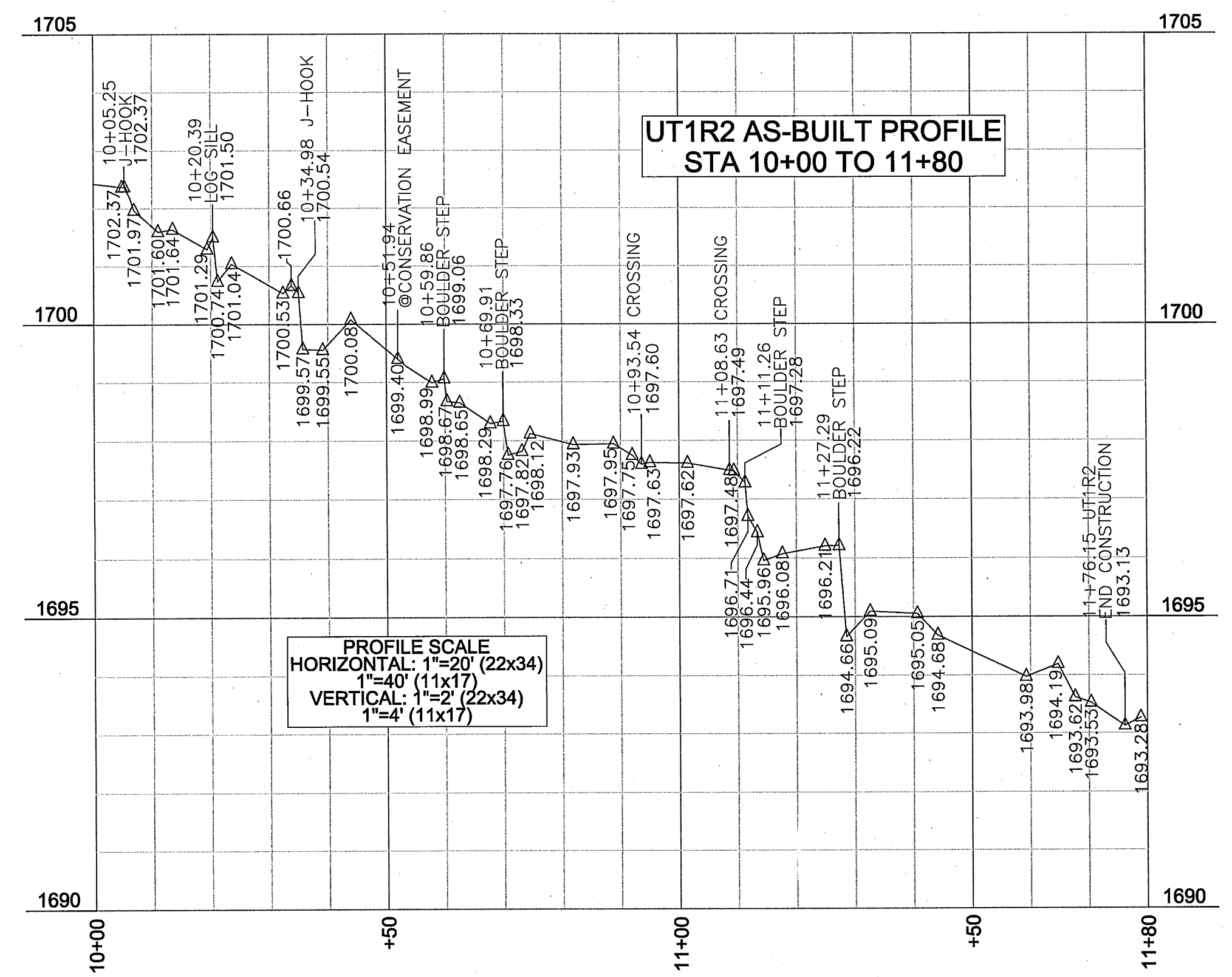
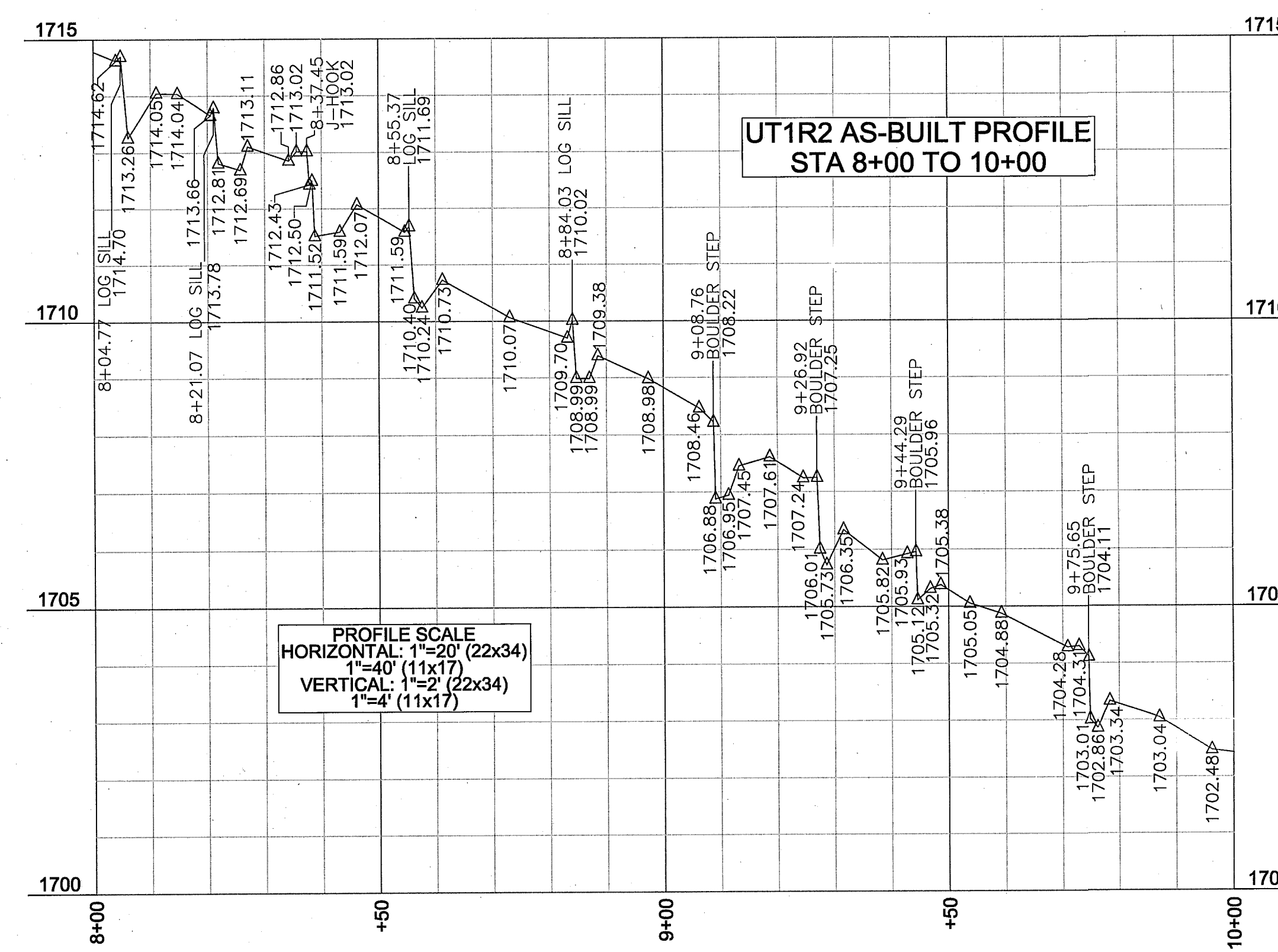
20' 0' 20' 40'

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 CONTOUR INTERVAL = 1'



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NORTH CAROLINA

AS-BUILT SURVEY OF MARTINS CREEK II MITIGATION PROJECT
 MURPHY

CHEROKEE COUNTY

UT1R2 STA 8+00 TO 11+80 PLAN & PROFILE

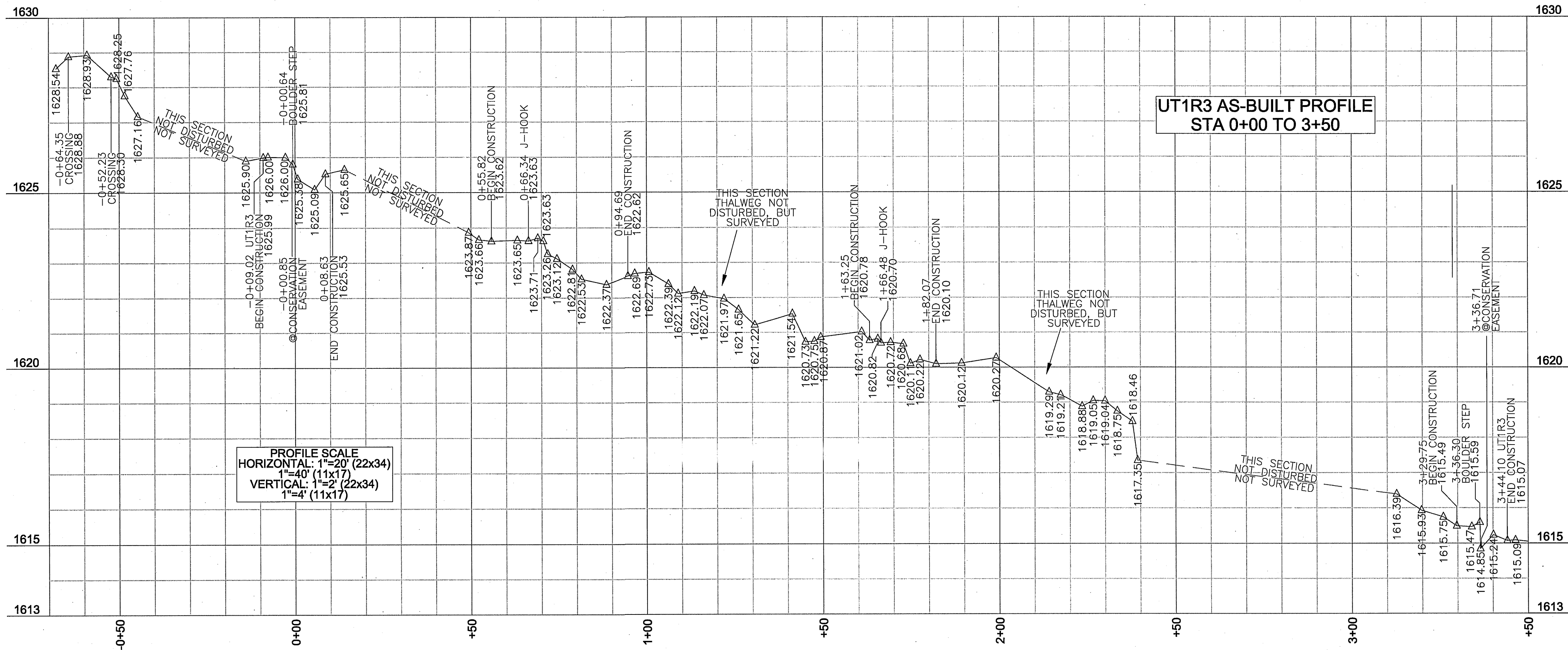
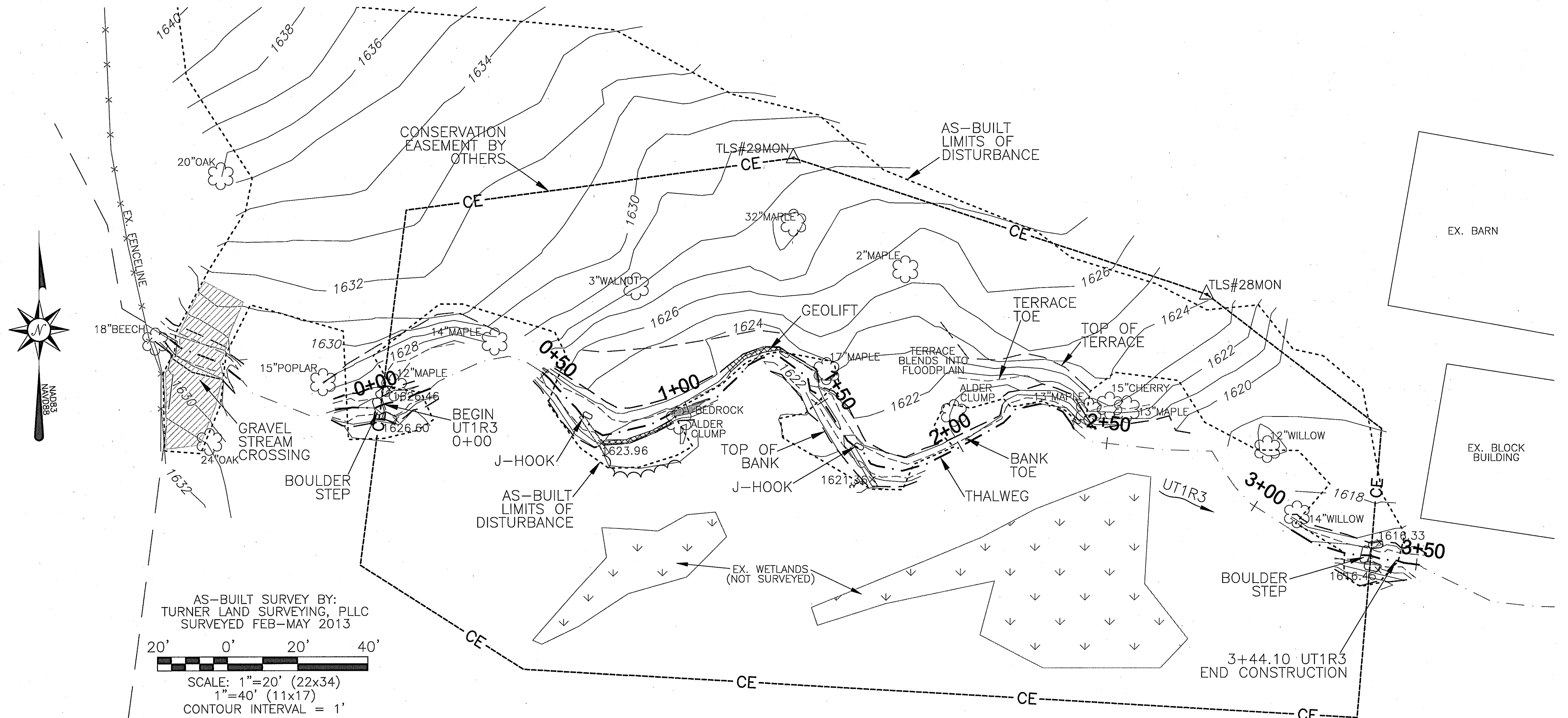
DATE: 06/18/13
 SURVEYED BY: DST/EGT
 DRAWN BY: DST/EGT
 REVIEWED BY: DST/EGT
 PROJECT: TLS-12-022
 FILE: MARTINS CREEK II _92633_AB_TLS_F
 SCALE: AS SHOWN

SHEET **4 of 13**

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LEGEND:	
--- THALWEG	CONSTRUCTED RIFFLE
- - - EX. THALWEG	STREAM CROSSING
--- TOP OF BANK	EX. WETLANDS
--- BANK TOE	CONTROL PT./ BENCHMARK
- - - AS-BUILT LOD	EX. TREE
--- CONSERVATION EASEMENT (BY OTHERS)	BEDROCK
--- POWER EASEMENT	TOE WOOD
--- OHE	COVER LOGS
--- LOG VANE	LUNKER BUNKER
--- BOULDER STEP	
--- J-HOOK	
--- LOG DROP STEP	
--- ROOTWAD	
--- STRUCTURE ELEV. AT BANK TIE IN	



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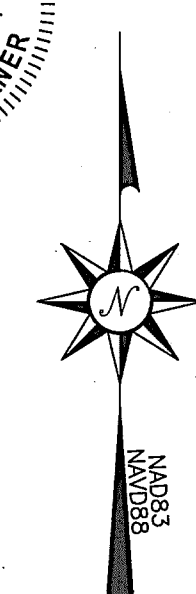
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SHEET
5 of 13

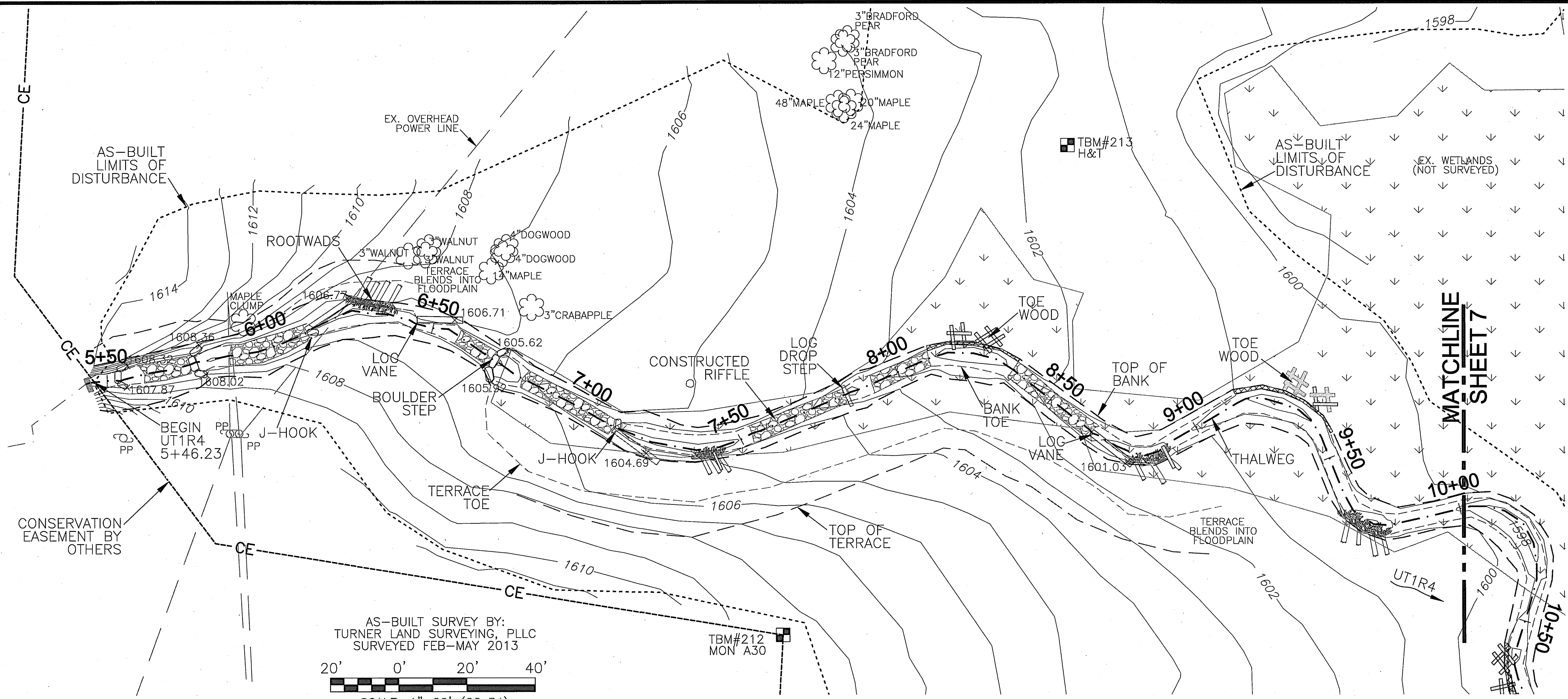
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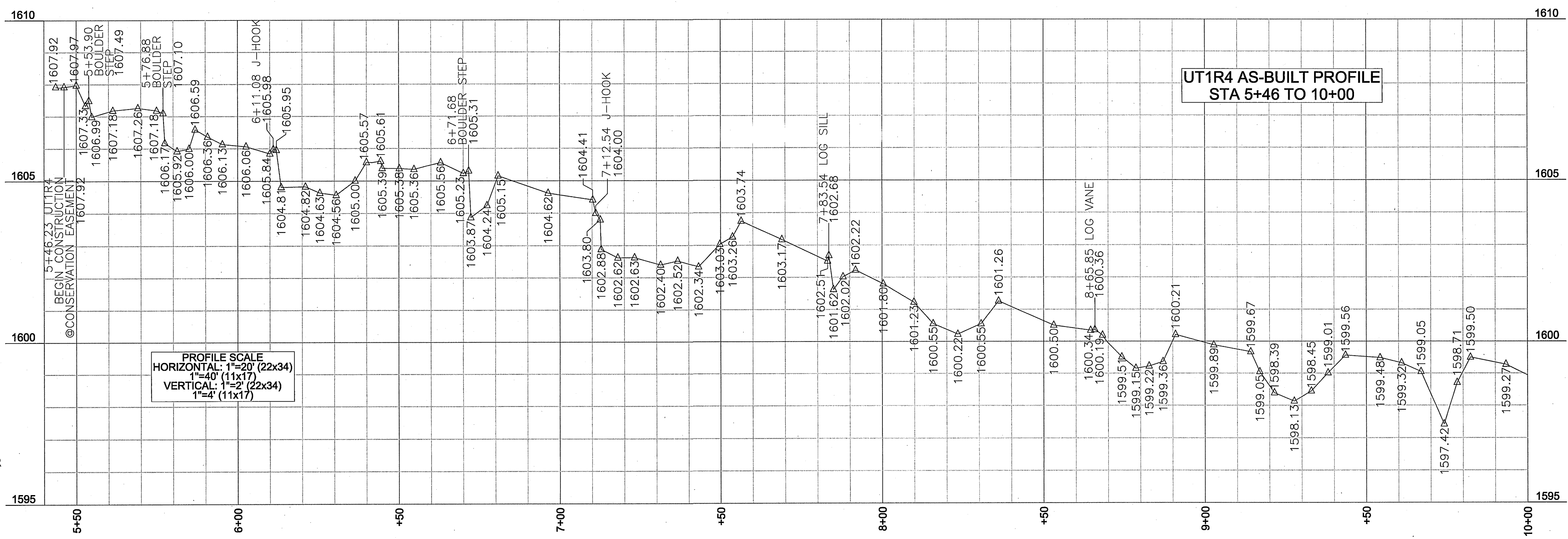
LEGEND:

--- THALWEG	--- EX. THALWEG	--- TOP OF BANK	--- BANK TOE	--- AS-BUILT LOD	--- CE CONSERVATION EASEMENT (BY OTHERS)	--- POWER EASEMENT	--- OHE OVERHEAD WIRE	--- LOG VANE	--- BOULDER STEP	--- J-HOOK	--- LOG DROP STEP	--- ROOTWAD	--- STRUCTURE ELEV. AT BANK TIE IN
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AS-BUILT SURVEY BY:
 TURNER LAND SURVEYING, PLLC
 SURVEYED FEB-MAY 2013
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 - CONTROL IS BASED ON EXISTING CONTROL DATA AS SHOWN ON SHEET 17 OF THE DESIGN PLANS AND RECOVERED DURING THE CONSTRUCTION & AS-BUILT SURVEYS. ADDITIONAL CONTROL ESTABLISHED USING GPS/RTK METHODS PRIOR TO CONSTRUCTION. THE CONTROL POINTS USED DURING THE AS-BUILT SURVEY ARE LISTED ON AS-BUILT PLAN SHEET 13.
 - THIS MAP IS NOT FOR RECORDATION, SALES, OR CONVEYANCES AND DOES NOT COMPLY WITH G.S. 47-30 MAPPING REQUIREMENTS.
 - THE SOLE PURPOSE OF THIS SURVEY IS TO SHOW THE CONSTRUCTED STREAM AND THE FEATURES RELATED TO THE RESTORATION PROJECT.
 - THE 0+00 STATIONS ARE MATCHED WITH THE DESIGN 0+00 STATIONS HOWEVER THE AS-BUILT SURVEY LENGTH MAY VARY SLIGHTLY FROM THE DESIGN LENGTH.
 - FEATURES OUTSIDE THE AS-BUILT LIMITS OF DISTURBANCE INCLUDING BUT NOT LIMITED TO EXISTING UTILITIES, EASEMENTS, DRAINAGE, & PROPERTY LINES WERE NOT LOCATED BY TURNER LAND SURVEYING, PLLC. ALL FEATURES SHOWN OUTSIDE THE AS-BUILT LIMITS WERE TAKEN FROM EXISTING CONDITIONS AND DESIGN DATA PROVIDED BY THE DESIGNER.
 - CONSERVATION EASEMENT PROVIDED BY DESIGNER.
 - RIGHT PRONG AND ITS TRIBUTARIES ARE NOT INCLUDED IN THIS AS-BUILT SURVEY. PLEASE REFER TO DESIGN PLANS FOR ENTIRE PROJECT SITE PLAN AND DESIGN SUMMARY.



REVISIONS, DATE, AND INITIAL

TURNER LAND SURVEYING, PLLC
 3201 Glenridge Drive, Raleigh, NC 27604 - (919)875-1378
 P-0702 - Lturner921@att.net - Dturner119@att.net
 www.TURNERLANDSURVEYING.com

AS-BUILT SURVEY OF MARTINS CREEK II MITIGATION PROJECT
 MURPHY

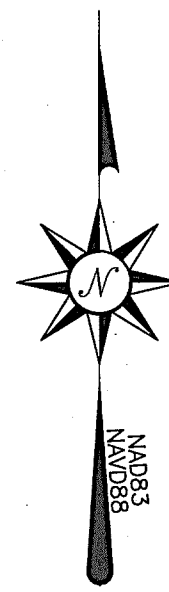
UT1R4 STA 5+46 TO 10+00 PLAN & PROFILE

DATE: 06/18/13
 SURVEYED BY: DST/EGT
 DRAWN BY: DST/EGT
 REVIEWED BY: DST/EGT
 PROJECT: TLS-12-022
 FILE: MARTINS CREEK II _92633_AB_TLS_F
 SCALE: AS SHOWN

SHEET
6 of 13

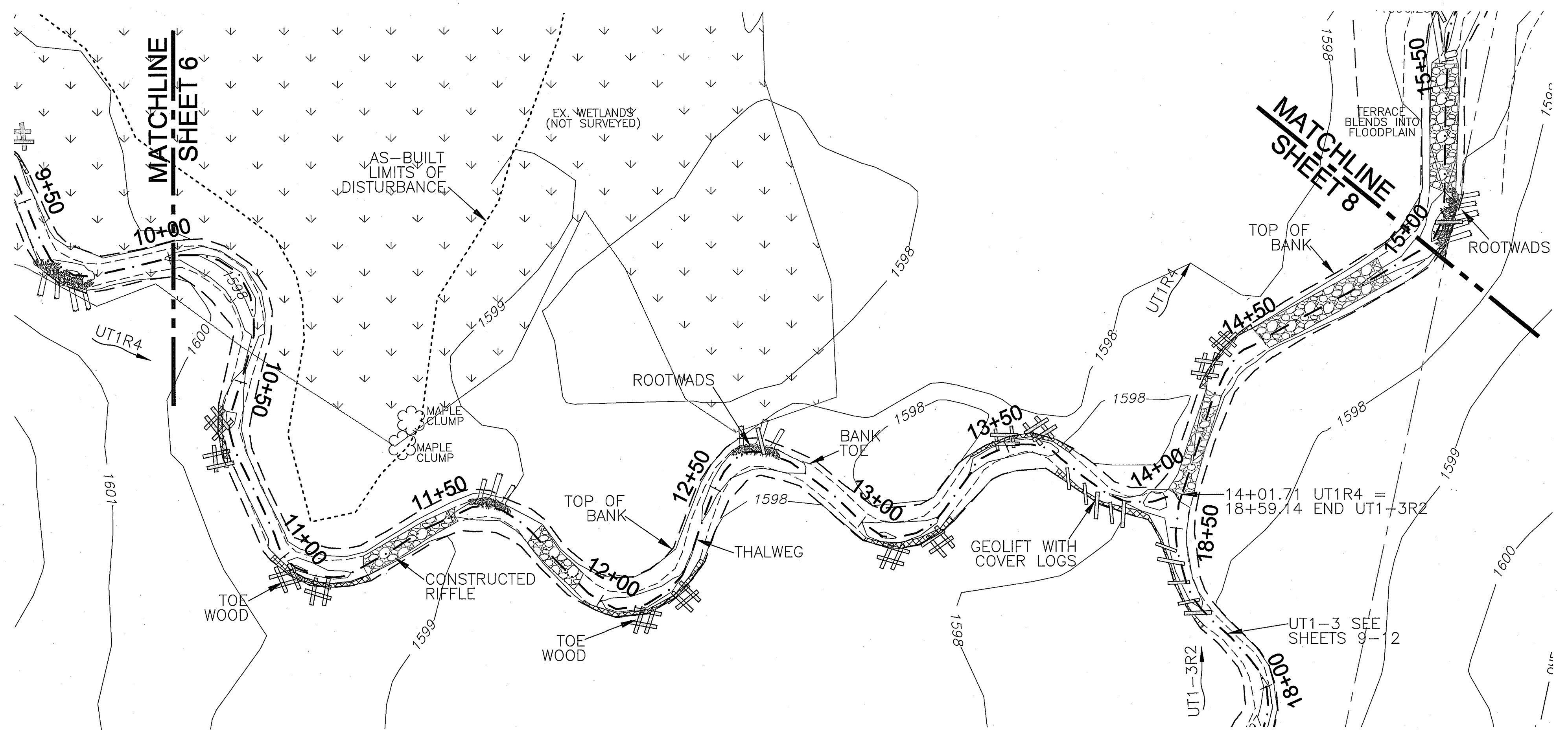
I, ELISABETH G. TURNER, AS A DULY REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF NORTH CAROLINA, HEREBY CERTIFY THAT THE DATA SHOWN ON THIS DRAWING, WAS OBTAINED UNDER MY SUPERVISION, IS AN ACCURATE AND COMPLETE REPRESENTATION OF WHAT WAS CONSTRUCTED IN THE FIELD, AND THAT THE PHYSICAL DIMENSIONS OR ELEVATIONS SHOWN THUS ARE AS-BUILT CONDITIONS EXCEPT WHERE OTHERWISE NOTED HEREON. WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER, AND SEAL THIS 2nd DAY OF AUGUST, 2013.

Elisabeth G. Turner
 ELISABETH G. TURNER, P.L.S. #L-4440
 NORTH CAROLINA PROFESSIONAL LAND SURVEYOR SEAL L-4440 ELISABETH G. TURNER



GENERAL NOTES

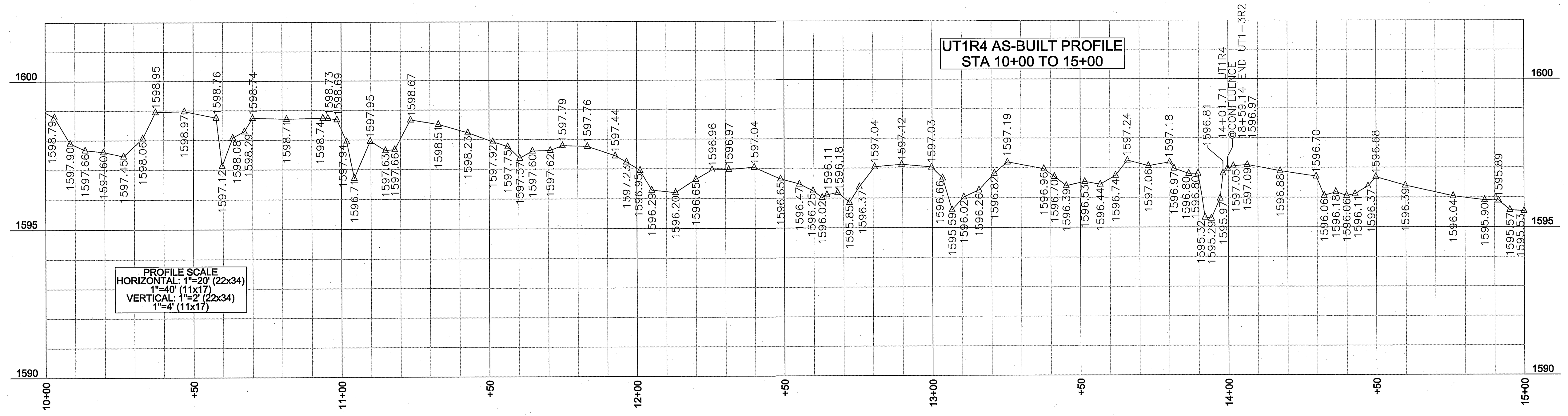
1. ALL DISTANCES ARE HORIZONTAL UNLESS OTHERWISE NOTED.
2. THE VERTICAL DATUM IS NAVD83.
3. THE BASIS OF BEARINGS IS NCGS STATE PLANE GRID COORDINATES NAD83 (NSRS 2007) DATUM.
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LEGEND:

--- THALWEG	--- EX. THALWEG	--- TOP OF BANK	--- BANK TOE	--- AS-BUILT LOD	--- CE --- CONSERVATION EASEMENT (BY OTHERS)	--- POWER EASEMENT	--- OHE --- OVERHEAD WIRE	--- CONSTRUCTED RIFFLE	--- STREAM CROSSING	--- EX. WETLANDS	--- CONTROL PT./ BENCHMARK	--- STRUCTURE ELEV. AT BANK TIE IN	--- BEDROCK	--- LOG VANE	--- BOULDER STEP	--- J-HOOK	--- LOG DROP STEP	--- ROOTWAD	--- EX. TREE	--- GEOLIFT	--- TOE WOOD	--- COVER LOGS	--- LUNKER BUNKER
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AS-BUILT SURVEY BY:
 TURNER LAND SURVEYING, PLLC
 SURVEYED FEB-MAY 2013
 SCALE: 1"=20' (22x34)
 1"=40' (11x17)
 CONTOUR INTERVAL = 1'



REVISIONS, DATE, AND INITIAL:

TURNER LAND SURVEYING, PLLC
 3201 Glenridge Drive, Raleigh, NC 27604 - (919)875-1378
 P-0702 - Ltuner@tlls.net - Turner119@att.net
 www.TURNERLANDSURVEYING.com

UT1R4 STA 10+00 TO 15+00 PLAN & PROFILE

AS-BUILT SURVEY OF MARTINS CREEK II MITIGATION PROJECT

NORTH CAROLINA
 MURPHY
 CHEROKEE COUNTY

DATE: 06/18/13
 SURVEYED BY: DST/EGT
 DRAWN BY: DST/EGT
 REVIEWED BY: DST/EGT
 PROJECT: TLS-12-022
 FILE: MARTINS CREEK II _92633_AB_TLS_F
 SCALE: AS SHOWN

SHEET
7 of 13

I, ELISABETH G. TURNER, AS A DULY REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF NORTH CAROLINA, HEREBY CERTIFY THAT THE DATA SHOWN ON THIS DRAWING, WAS OBTAINED UNDER MY SUPERVISION, IS AN ACCURATE AND COMPLETE REPRESENTATION OF WHAT WAS CONSTRUCTED IN THE FIELD, AND THAT THE PHYSICAL DIMENSIONS OR ELEVATIONS SHOWN THUS ARE AS-BUILT CONDITIONS EXCEPT WHERE OTHERWISE NOTED HEREON. WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER, AND SEAL THIS 2nd DAY OF AUGUST, 2013.

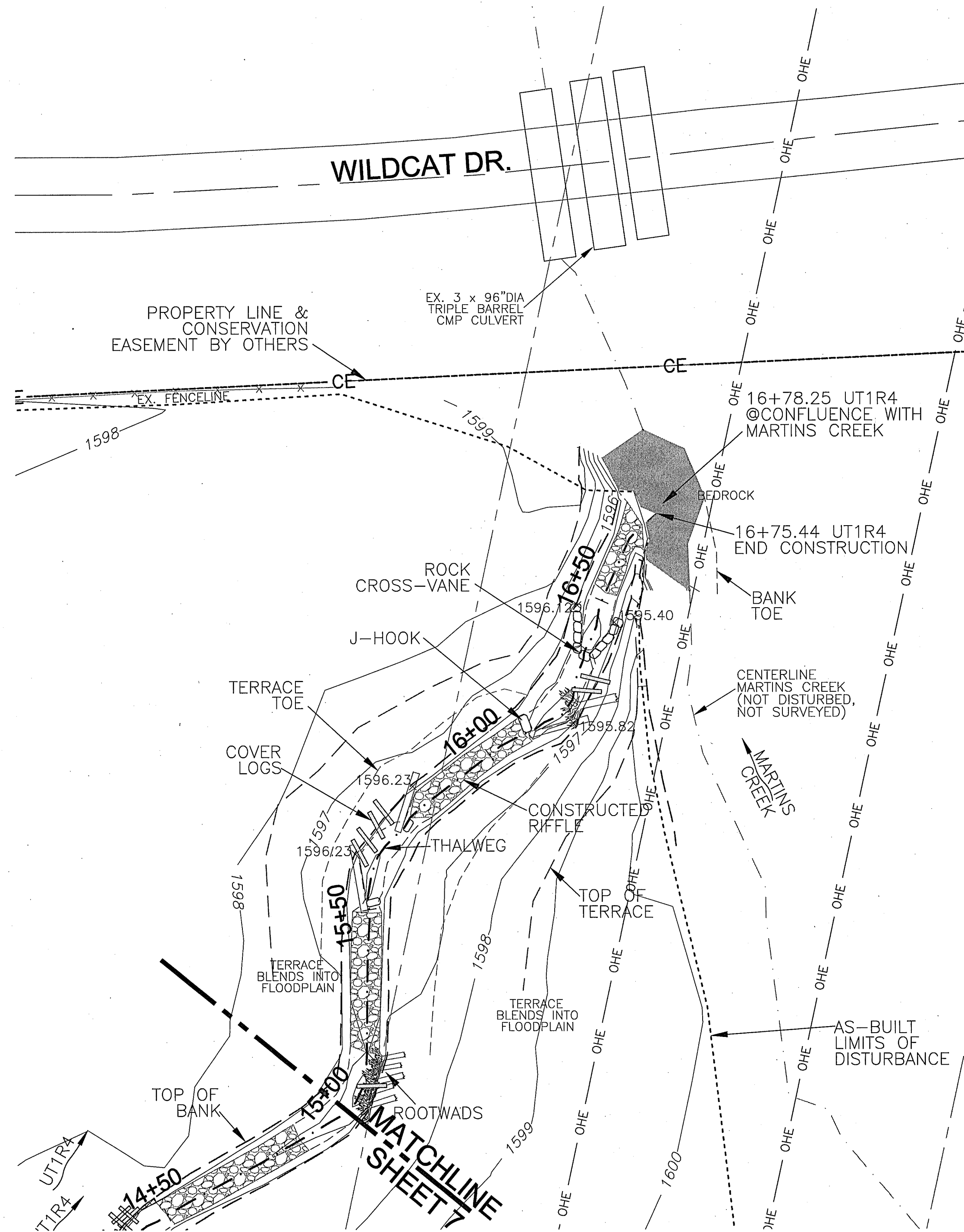
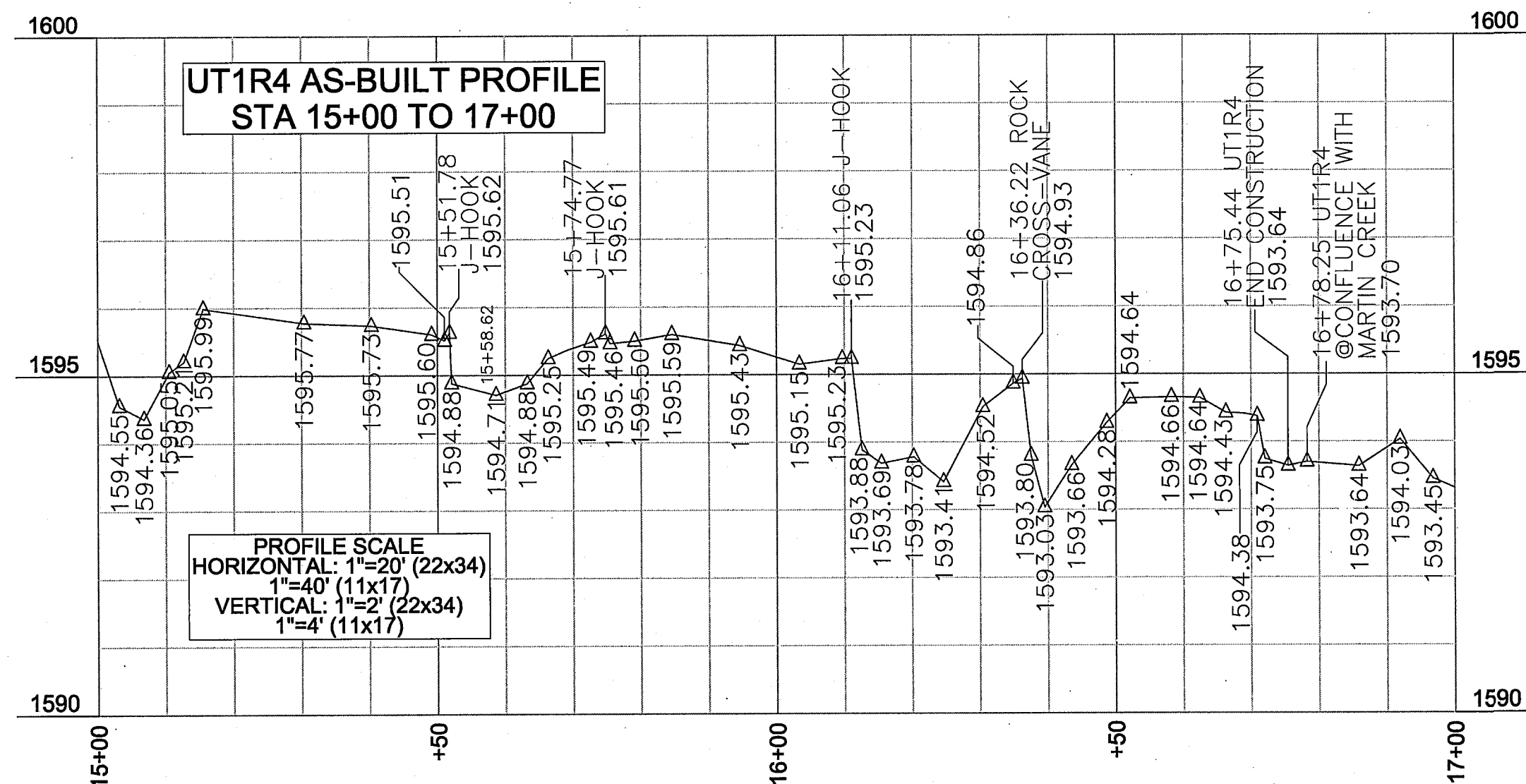
Elisabeth G. Turner
 ELISABETH G. TURNER, P.L.S. #L-4440
 NORTH CAROLINA PROFESSIONAL LAND SURVEYOR
 SEAL L-4440
 ELISABETH G. TURNER

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LEGEND:	
--- THALWEG	CONSTRUCTED RIFFLE
- - - EX. THALWEG	STREAM CROSSING
--- TOP OF BANK	EX. WETLANDS
--- BANK TOE	CONTROL PT./ BENCHMARK
- - - AS-BUILT LOD	EX. TREE
--- CE CONSERVATION EASEMENT (BY OTHERS)	BEDROCK
--- POWER EASEMENT	GEOLIFT
--- OHE OVERHEAD WIRE	TOE WOOD
LOG VANE	COVER LOGS
BOULDER STEP	LUNKER BUNKER
J-HOOK	
LOG DROP STEP	
ROOTWAD	
x1595.82 STRUCTURE ELEV. AT BANK TIE IN	

AS-BUILT SURVEY BY:
 TURNER LAND SURVEYING, PLLC
 SURVEYED FEB-MAY 2013
 SCALE: 1"=20' (22x34)
 1"=40' (11x17)
 CONTOUR INTERVAL = 1'



REVISIONS, DATE, AND INITIAL:

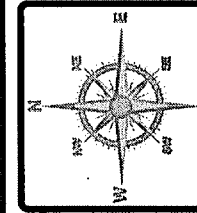
UT1R4 STA 15+00 TO 17+00 PLAN & PROFILE

AS-BUILT SURVEY OF MARTINS CREEK II MITIGATION PROJECT

DATE:	06/18/13
SURVEYED BY:	DST/EGT
DRAWN BY:	DST/EGT
REVIEWED BY:	DST/EGT
PROJECT:	TLS-12-022
FILE:	MARTINS CREEK II_92633_AB_TLS_F
SCALE:	AS SHOWN

SHEET
8 of 13

TURNER LAND SURVEYING, PLLC
 3201 Glenridge Drive, Raleigh, NC 27604 -- (919)875-1378
 P-0702 -- Ltumer921@att.net -- Dturner119@att.net
 WWW.TURNERLANDSURVEYING.COM



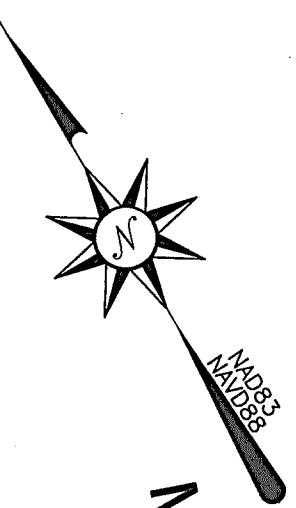
NORTH CAROLINA
 CHEROKEE COUNTY
 MURPHY

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Elisabeth G. Turner
 ELISABETH G. TURNER, P.L.S. #L-4440
 NORTH CAROLINA PROFESSIONAL LAND SURVEYOR
 SEAL L-4440
 ELISABETH G. TURNER

NOTES
 1. SEE SHEET 1 FOR GENERAL NOTES.

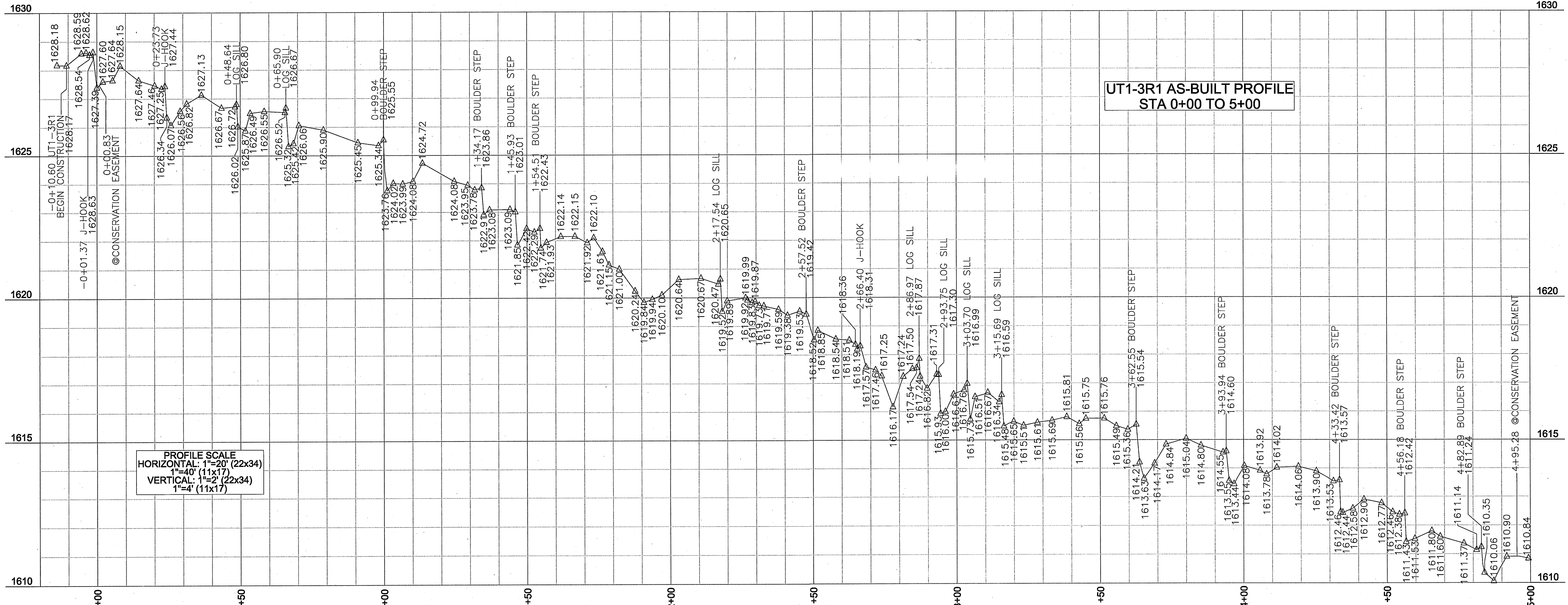
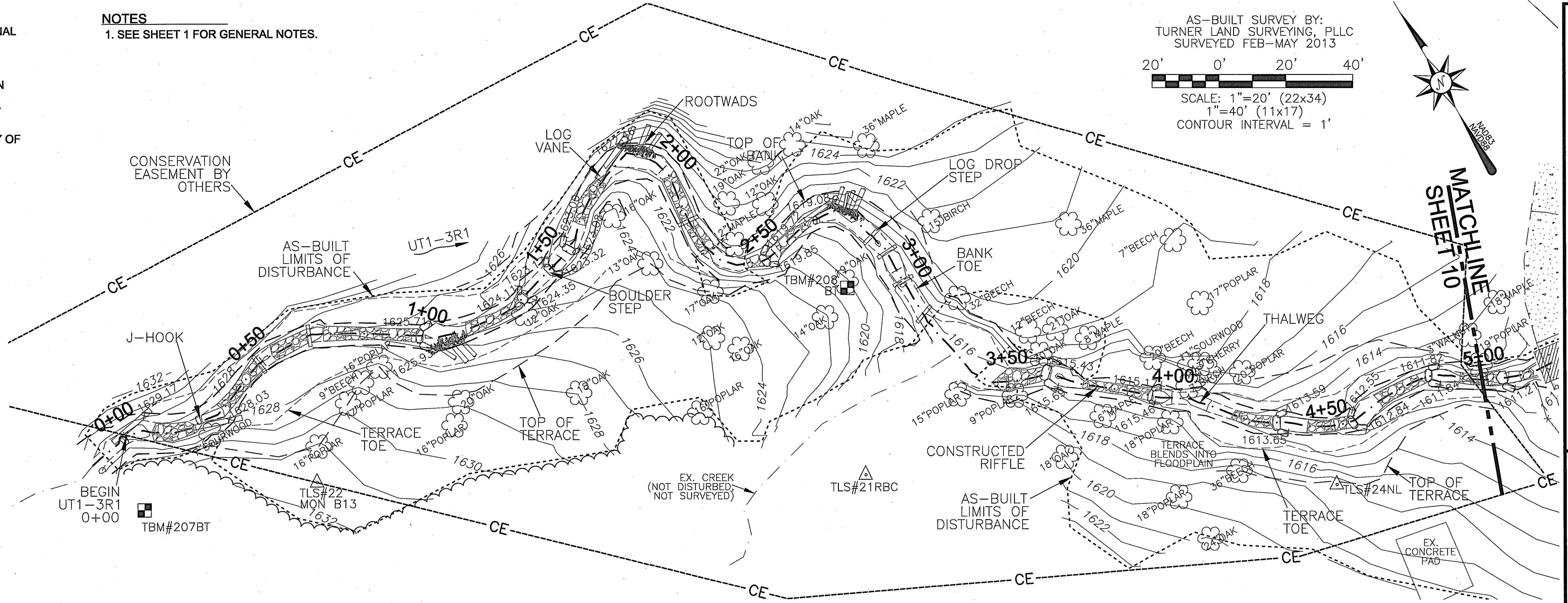
AS-BUILT SURVEY BY:
 TURNER LAND SURVEYING, PLLC
 SURVEYED FEB-MAY 2013
 20' 0' 20' 40'
 SCALE: 1"=20' (22x34)
 1"=40' (11x17)
 CONTOUR INTERVAL = 1'



LEGEND:

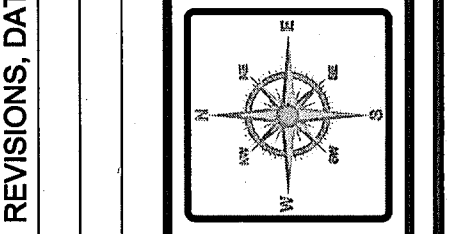
--- THALWEG	--- EX. THALWEG	--- TOP OF BANK	--- BANK TOE	--- AS-BUILT LOD	--- CE CONSERVATION EASEMENT (BY OTHERS)	--- POWER EASEMENT	--- OHE OVERHEAD WIRE	--- LOG VANE	--- BOULDER STEP	--- J-HOOK	--- LOG DROP STEP	--- ROOTWAD	--- CONSTRUCTED RIFFLE	--- STREAM CROSSING	--- EX. WETLANDS	--- CONTROL PT./ BENCHMARK	--- EX. TREE	--- BEDROCK	--- GEOLIFT	--- TOE WOOD	--- COVER LOGS	--- LUNKER BUNKER
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x1595.82 STRUCTURE ELEV. AT BANK TIE IN



PROFILE SCALE
 HORIZONTAL: 1"=20' (22x34)
 1"=40' (11x17)
 VERTICAL: 1"=2' (22x34)
 1"=4' (11x17)

TURNER LAND SURVEYING, PLLC
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REVISIONS, DATE, AND INITIAL:
 NORTH CAROLINA

UT1-3R1 STA 0+00 TO 5+00 PLAN & PROFILE
 AS-BUILT SURVEY OF
 MARTINS CREEK II
 MITIGATION PROJECT
 MURPHY
 CHEROKEE COUNTY

DATE:	06/18/13
SURVEYED BY:	DST/EGT
DRAWN BY:	DST/EGT
REVIEWED BY:	DST/EGT
PROJECT:	TLS-12-022
FILE:	MARTINS CREEK II _92633_AB_TLS_F
SCALE:	AS SHOWN
SHEET	9 of 13

I, ELISABETH G. TURNER, AS A DULY REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF NORTH CAROLINA, HEREBY CERTIFY THAT THE DATA SHOWN ON THIS DRAWING, WAS OBTAINED UNDER MY SUPERVISION, IS AN ACCURATE AND COMPLETE REPRESENTATION OF WHAT WAS CONSTRUCTED IN THE FIELD, AND THAT THE PHYSICAL DIMENSIONS OR ELEVATIONS SHOWN THUS ARE AS-BUILT CONDITIONS EXCEPT WHERE OTHERWISE NOTED HEREON. WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER, AND SEAL THIS 2nd DAY OF AUGUST, 2013.

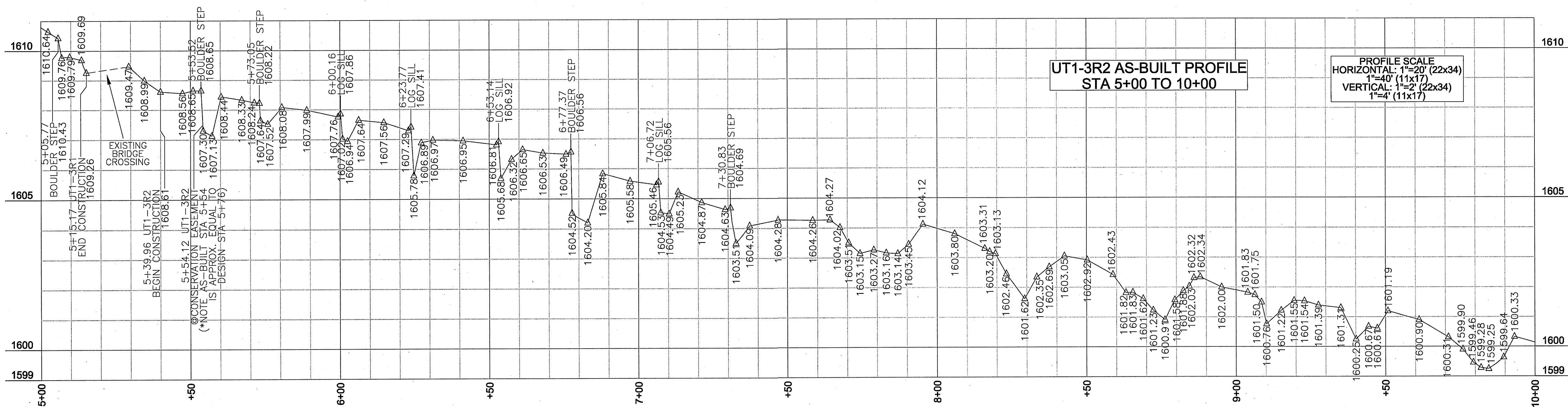
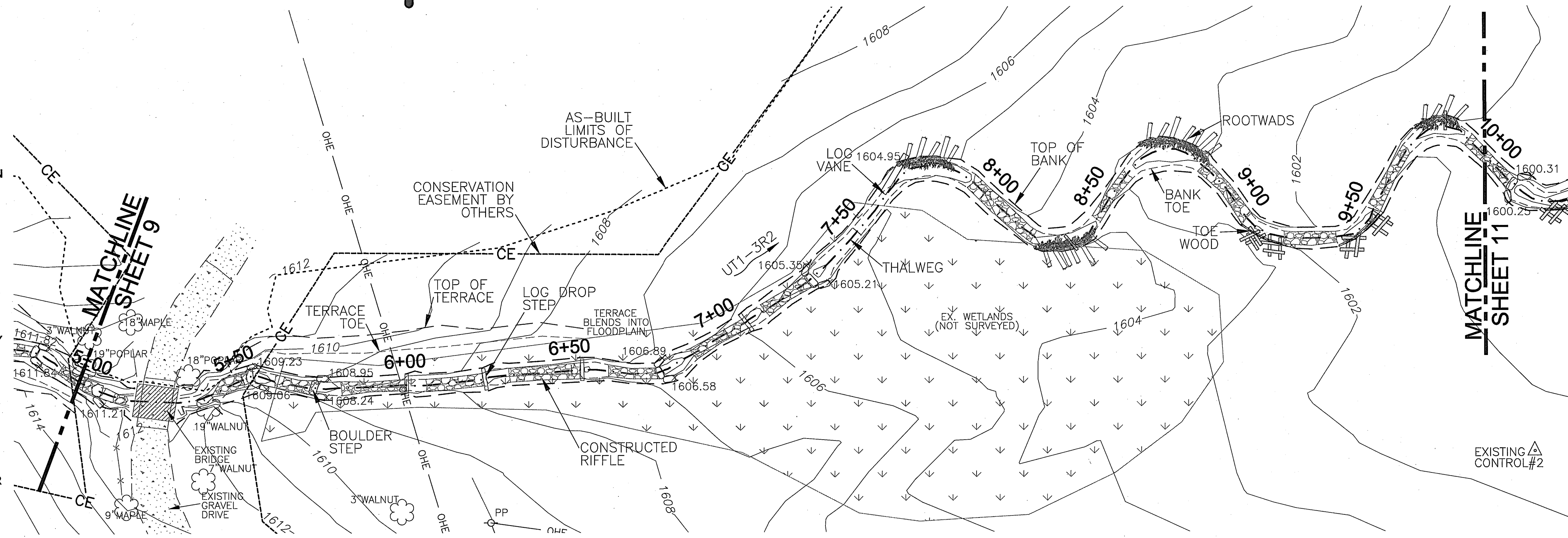
Elisabeth G. Turner
 ELISABETH G. TURNER, P.L.S. #L-4440
 NORTH CAROLINA PROFESSIONAL LAND SURVEYOR
 SEAL L-4440
 ELISABETH G. TURNER

GENERAL NOTES

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LEGEND:	
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- - - EX. THALWEG	STREAM CROSSING
--- TOP OF BANK	EX. WETLANDS
--- BANK TOE	CONTROL PT./ BENCHMARK
--- AS-BUILT LOD	STRUCTURE ELEV. AT BANK TIE IN
--- CE CONSERVATION EASEMENT (BY OTHERS)	
--- POWER EASEMENT	
--- OHE OVERHEAD WIRE	
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	LOG VANE
	BOULDER STEP
	J-HOOK
	LOG DROP STEP
	ROOTWAD
	EX. TREE
	GEOLIFT
	TOE WOOD
	COVER LOGS
	LUNKER BUNKER

AS-BUILT SURVEY BY:
 TURNER LAND SURVEYING, PLLC
 SURVEYED FEB-MAY 2013
 20' 0' 20' 40'
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 1"=40' (11x17)
 CONTOUR INTERVAL = 1'



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AS-BUILT SURVEY OF
MARTINS CREEK II
 MITIGATION PROJECT

UT1-3R2 STA 5+00 TO 10+00 PLAN & PROFILE

DATE: 06/18/13
 SURVEYED BY: DST/EGT
 DRAWN BY: DST/EGT
 REVIEWED BY: DST/EGT
 PROJECT: TLS-12-022
 FILE: MARTINS CREEK II _92633_AB_TLS_F
 SCALE: AS SHOWN

SHEET
10 of 13

NORTH CAROLINA
 CHEROKEE COUNTY
 MURPHY

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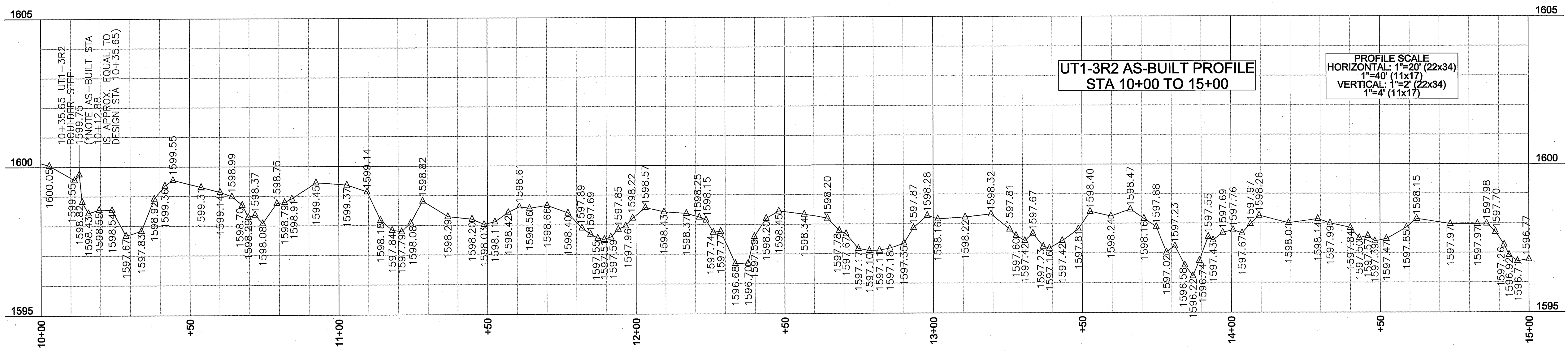
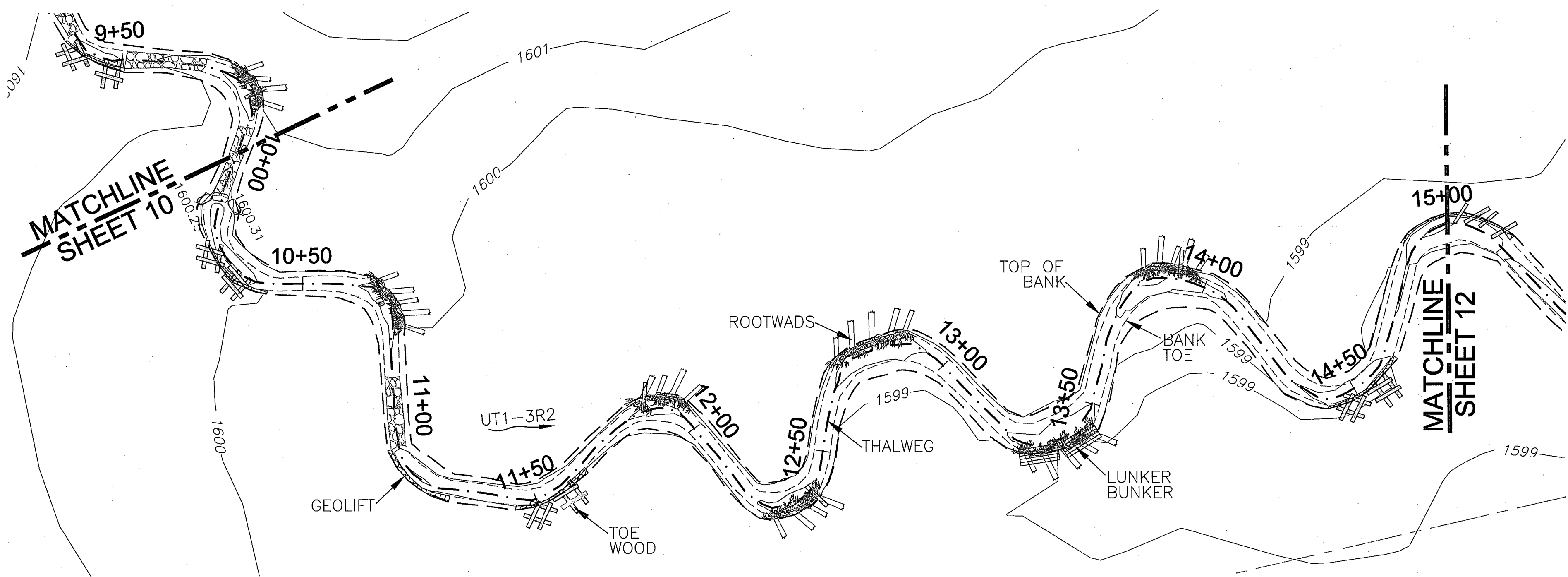
Elisabeth G. Turner
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 NORTH CAROLINA PROFESSIONAL LAND SURVEYOR
 SEAL L-4440
 ELISABETH G. TURNER

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 SURVEYED FEB-MAY 2013
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 1"=40' (11x17)
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LEGEND:			
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- - - EX. THALWEG	STREAM CROSSING	LOG VANE	GEOLIFT
--- TOP OF BANK	EX. WETLANDS	BOULDER STEP	TOE WOOD
--- BANK TOE	CONTROL PT./ BENCHMARK	J-HOOK	COVER LOGS
--- AS-BUILT LOD	STRUCTURE ELEV. AT BANK TIE IN	LOG DROP STEP	LUNKER BUNKER
--- CE CONSERVATION EASEMENT (BY OTHERS)		ROOTWAD	
--- POWER EASEMENT			
--- OHE OVERHEAD WIRE			

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UT1-3R2 STA 10+00 TO 15+00 PLAN & PROFILE

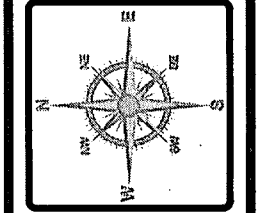
AS-BUILT SURVEY OF MARTINS CREEK II MITIGATION PROJECT

DATE: 06/18/13
 SURVEYED BY: DST/EGT
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 REVIEWED BY: DST/EGT
 PROJECT: TLS-12-022
 FILE: MARTINS CREEK II _92633_AB_TLS_F
 SCALE: AS SHOWN

SHEET
11 of 13

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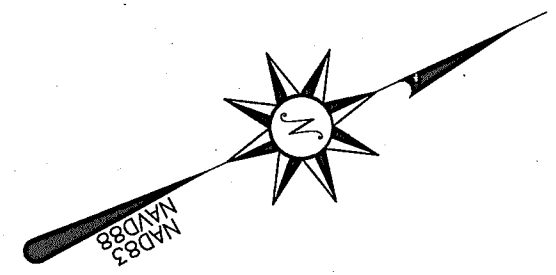
NORTH CAROLINA

CHEROKEE COUNTY

MURPHY

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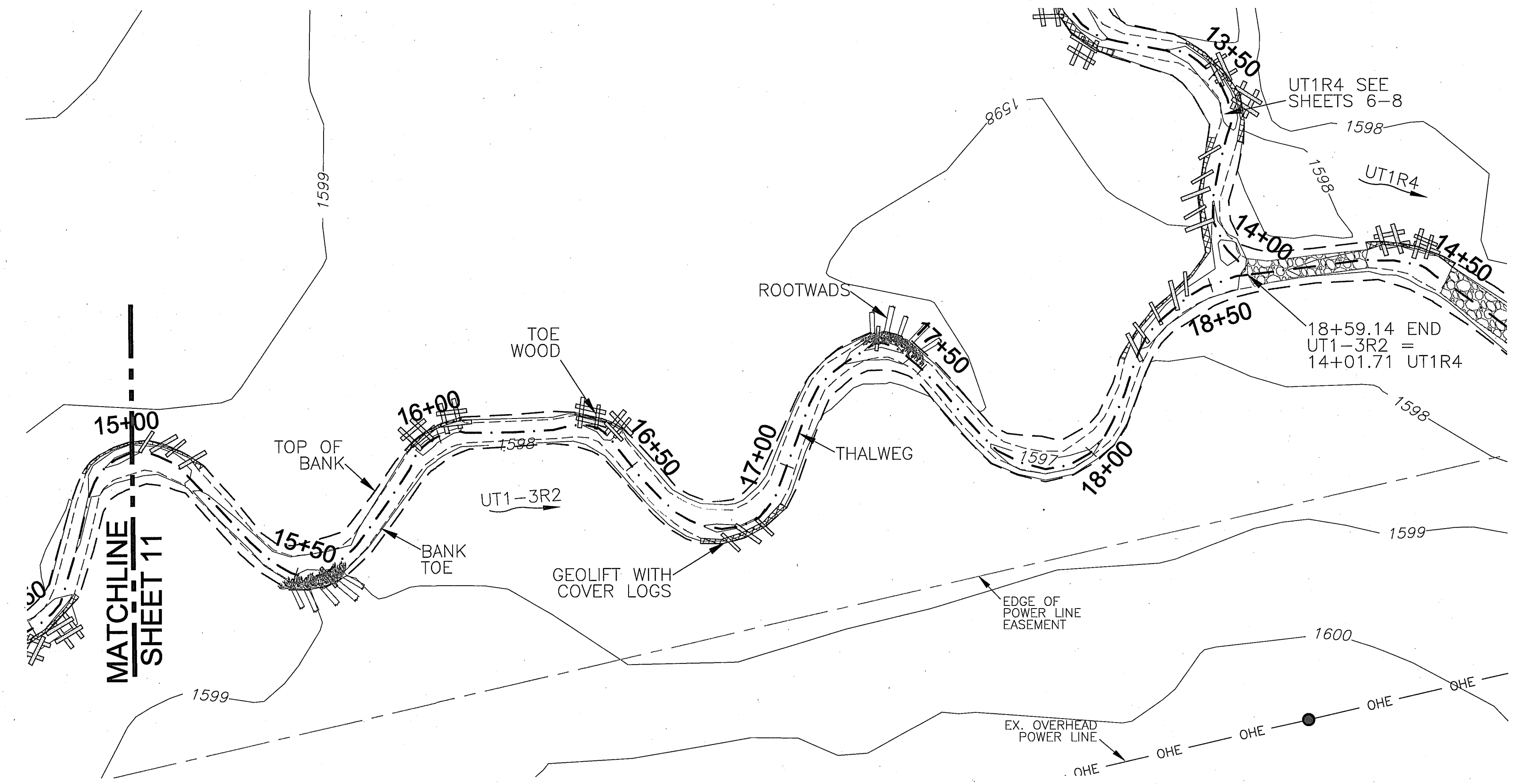
Elisabeth G. Turner
 ELISABETH G. TURNER, P.L.S. #L-4440



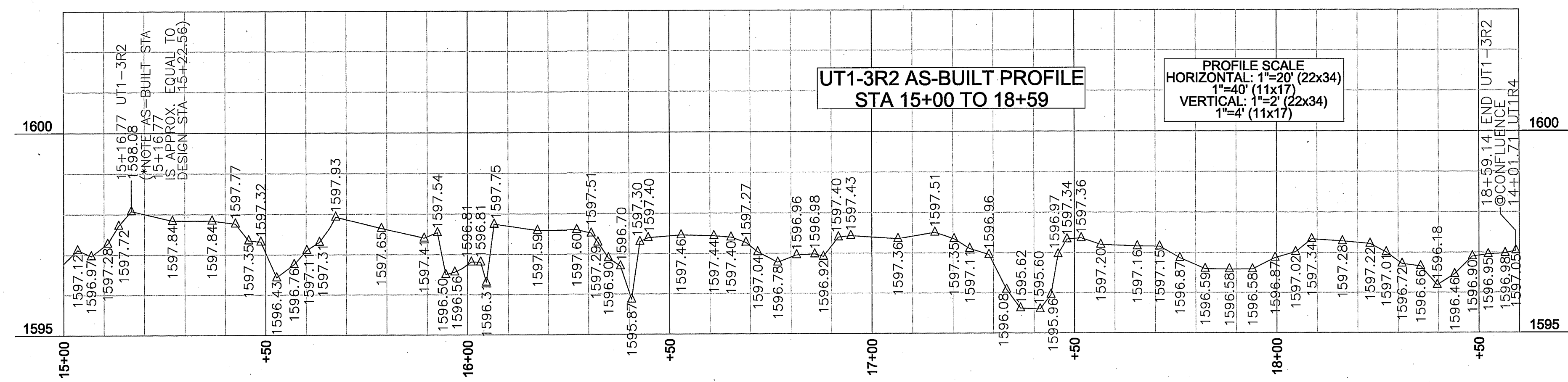
LEGEND:	
--- THALWEG	CONSTRUCTED RIFFLE
- - - EX. THALWEG	STREAM CROSSING
--- TOP OF BANK	EX. WETLANDS
--- BANK TOE	CONTROL PT./ BENCHMARK
--- AS-BUILT LOD	EX. TREE
--- CE CONSERVATION EASEMENT (BY OTHERS)	BEDROCK
--- POWER EASEMENT	GEOLIFT
--- OHE OVERHEAD WIRE	TOE WOOD
LOG VANE	COVER LOGS
BOULDER STEP	LUNKER BUNKER
J-HOOK	
LOG DROP STEP	
ROOTWAD	
x1595.82 STRUCTURE ELEV. AT BANK TIE IN	

AS-BUILT SURVEY BY:
 TURNER LAND SURVEYING, PLLC
 SURVEYED FEB-MAY 2013

SCALE: 1"=20' (22x34)
 1"=40' (11x17)
 CONTOUR INTERVAL = 1'



- GENERAL NOTES**
- ALL DISTANCES ARE HORIZONTAL UNLESS OTHERWISE NOTED.
 - THE VERTICAL DATUM IS NAVD88.
 - THE BASIS OF BEARINGS IS NCGS STATE PLANE GRID COORDINATES NAD83 (NSRS 2007) DATUM.
 - CONTROL IS BASED ON EXISTING CONTROL DATA AS SHOWN ON SHEET 17 OF THE DESIGN PLANS AND RECOVERED DURING THE CONSTRUCTION & AS-BUILT SURVEYS. ADDITIONAL CONTROL ESTABLISHED USING GPS/RTK METHODS PRIOR TO CONSTRUCTION. THE CONTROL POINTS USED DURING THE AS-BUILT SURVEY ARE LISTED ON AS-BUILT PLAN SHEET 13.
 - THIS MAP IS NOT FOR RECORDATION, SALES, OR CONVEYANCES AND DOES NOT COMPLY WITH G.S. 47-30 MAPPING REQUIREMENTS.
 - THE SOLE PURPOSE OF THIS SURVEY IS TO SHOW THE CONSTRUCTED STREAM AND THE FEATURES RELATED TO THE RESTORATION PROJECT.
 - THE 0+00 STATIONS ARE MATCHED WITH THE DESIGN 0+00 STATIONS HOWEVER THE AS-BUILT SURVEY LENGTH MAY VARY SLIGHTLY FROM THE DESIGN LENGTH.
 - FEATURES OUTSIDE THE AS-BUILT LIMITS OF DISTURBANCE INCLUDING BUT NOT LIMITED TO EXISTING UTILITIES, EASEMENTS, DRAINAGE, & PROPERTY LINES WERE NOT LOCATED BY TURNER LAND SURVEYING, PLLC. ALL FEATURES SHOWN OUTSIDE THE AS-BUILT LIMITS WERE TAKEN FROM EXISTING CONDITIONS AND DESIGN DATA PROVIDED BY THE DESIGNER.
 - CONSERVATION EASEMENT PROVIDED BY DESIGNER.
 - RIGHT PRONG AND ITS TRIBUTARIES ARE NOT INCLUDED IN THIS AS-BUILT SURVEY. PLEASE REFER TO DESIGN PLANS FOR ENTIRE PROJECT SITE PLAN AND DESIGN SUMMARY.



REVISIONS, DATE, AND INITIAL:

TURNER LAND SURVEYING, PLLC
 3201 Glenridge Drive, Raleigh, NC 27604 - (919)875-1378
 P-0702 - Lturner921@att.net - Dturner119@att.net
 WWW.TURNERLANDSURVEYING.COM

UT1-3R2 STA 15+00 TO 18+59 PLAN & PROFILE

AS-BUILT SURVEY OF
MARTINS CREEK II
 MITIGATION PROJECT

MURPHY
 CHEROKEE COUNTY
 NORTH CAROLINA

DATE: 06/18/13
 SURVEYED BY: DST/EGT
 DRAWN BY: DST/EGT
 REVIEWED BY: DST/EGT
 PROJECT: TLS-12-022
 FILE: MARTINS CREEK II_92633_AB_TLS_F
 SCALE: AS SHOWN

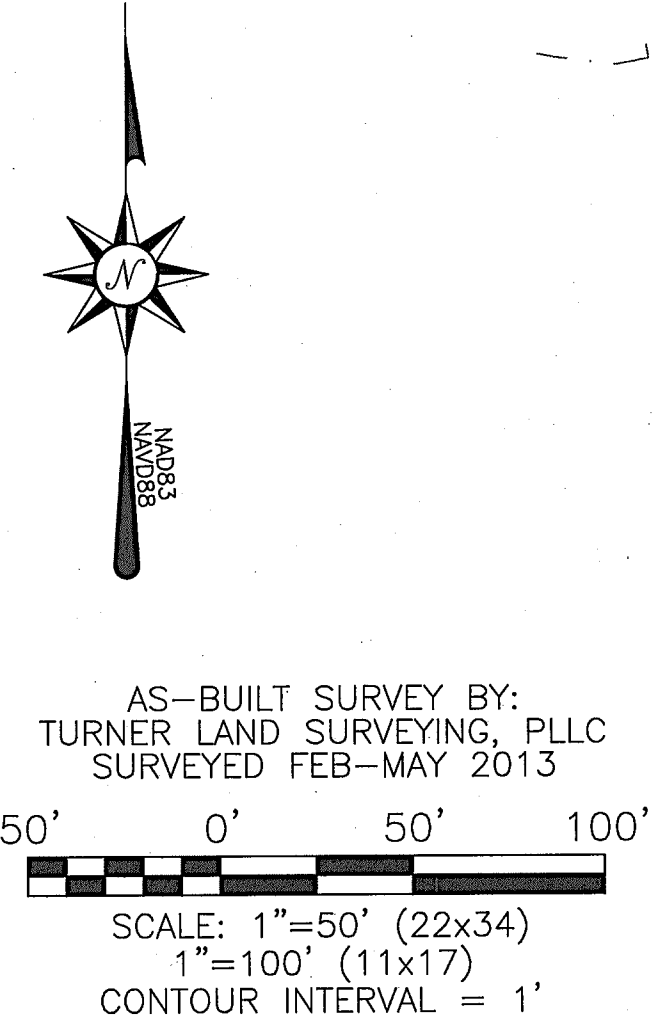
SHEET
12 of 13

I, ELISABETH G. TURNER, AS A DULY REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF NORTH CAROLINA, HEREBY CERTIFY THAT THE DATA SHOWN ON THIS DRAWING, WAS OBTAINED UNDER MY SUPERVISION, IS AN ACCURATE AND COMPLETE REPRESENTATION OF WHAT WAS CONSTRUCTED IN THE FIELD, AND THAT THE PHYSICAL DIMENSIONS OR ELEVATIONS SHOWN THUS ARE AS-BUILT CONDITIONS EXCEPT WHERE OTHERWISE NOTED HEREON. WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER, AND SEAL THIS 2nd DAY OF AUGUST, 2013.

Elisabeth G. Turner
 ELISABETH G. TURNER, P.L.S. #L-4440
 NORTH CAROLINA PROFESSIONAL LAND SURVEYOR
 SEAL L-4440
 ELISABETH G. TURNER

LEGEND:

---	THALWEG
---	TOP OF BANK
---	AS-BUILT LOD
---	CONSERVATION EASEMENT (BY OTHERS)
---	POWER EASEMENT
---	OVERHEAD WIRE
△	CONTROL PT./ BENCHMARK
□	EX. WETLANDS
□	PROPOSED WETLANDS

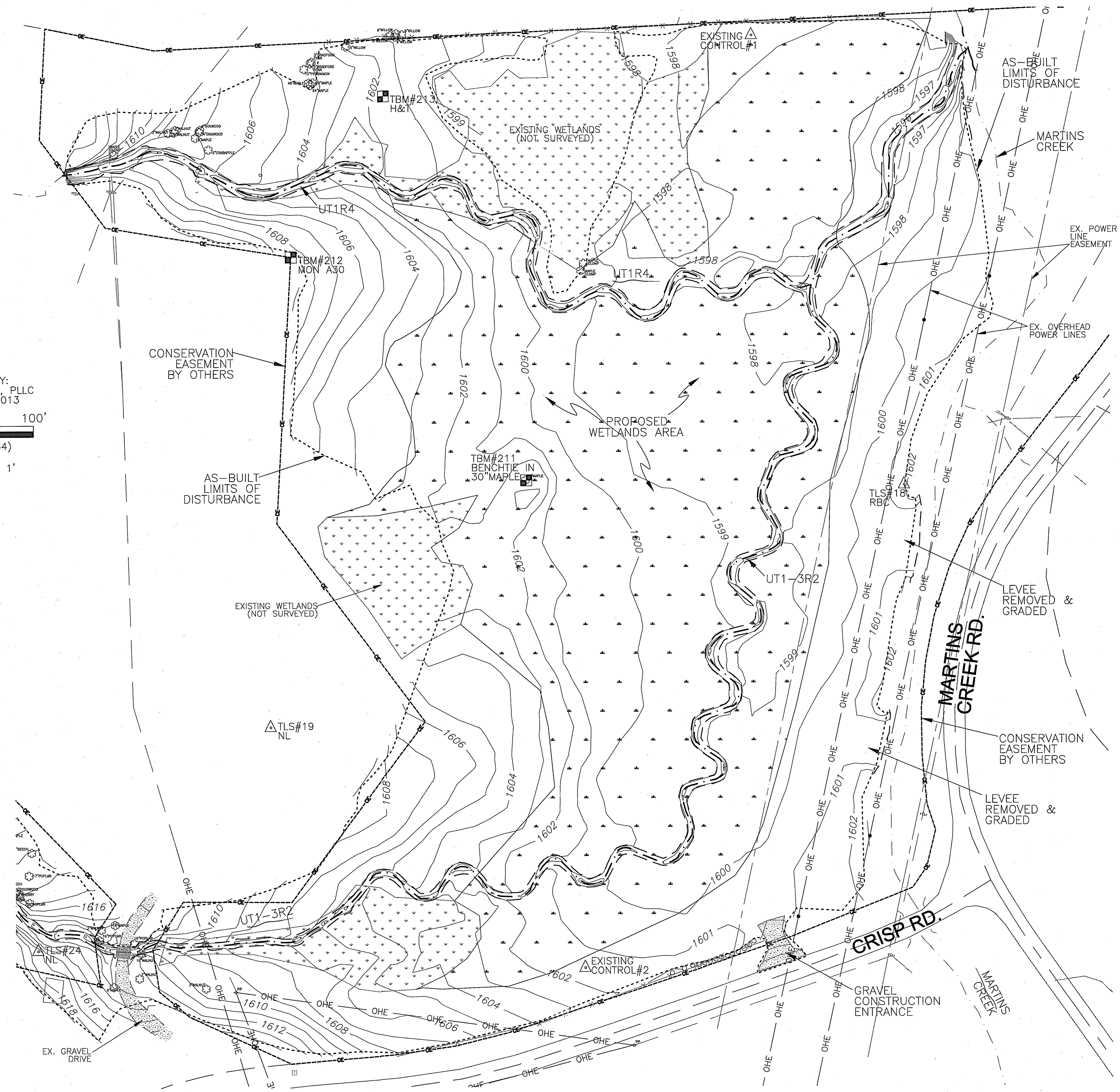


GENERAL NOTES

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2. THE VERTICAL DATUM IS NAVD88.
3. THE BASIS OF BEARINGS IS NCGS STATE PLANE GRID COORDINATES NAD83 (NSRS 2007) DATUM.
4. CONTROL IS BASED ON EXISTING CONTROL DATA AS SHOWN ON SHEET 17 OF THE DESIGN PLANS AND RECOVERED DURING THE CONSTRUCTION & AS-BUILT SURVEYS. ADDITIONAL CONTROL ESTABLISHED USING GPS/RTK METHODS PRIOR TO CONSTRUCTION. THE CONTROL POINTS USED DURING THE AS-BUILT SURVEY ARE LISTED ON AS-BUILT PLAN SHEET 13.
5. THIS MAP IS NOT FOR RECORDATION, SALES, OR CONVEYANCES AND DOES NOT COMPLY WITH G.S. 47-30 MAPPING REQUIREMENTS.
6. THE SOLE PURPOSE OF THIS SURVEY IS TO SHOW THE CONSTRUCTED STREAM AND THE FEATURES RELATED TO THE RESTORATION PROJECT.
7. THE 0+00 STATIONS ARE MATCHED WITH THE DESIGN 0+00 STATIONS HOWEVER THE AS-BUILT SURVEY LENGTH MAY VARY SLIGHTLY FROM THE DESIGN LENGTH.
8. FEATURES OUTSIDE THE AS-BUILT LIMITS OF DISTURBANCE INCLUDING BUT NOT LIMITED TO EXISTING UTILITIES, EASEMENTS, DRAINAGE, & PROPERTY LINES WERE NOT LOCATED BY TURNER LAND SURVEYING, PLLC. ALL FEATURES SHOWN OUTSIDE THE AS-BUILT LIMITS WERE TAKEN FROM EXISTING CONDITIONS AND DESIGN DATA PROVIDED BY THE DESIGNER.
9. CONSERVATION EASEMENT PROVIDED BY DESIGNER.
10. RIGHT PRONG AND ITS TRIBUTARIES ARE NOT INCLUDED IN THIS AS-BUILT SURVEY. PLEASE REFER TO DESIGN PLANS FOR ENTIRE PROJECT SITE PLAN AND DESIGN SUMMARY.

AS-BUILT CONTROL:

PT#	Northing(Y)	Easting(X)	Elev(Z)	Description
1	513224.52	496842.99	1597.66	EX. GPS1
2	512387.66	496691.55	1601.38	EX. GPS2
18	512821.39	496978.39	1601.94	TLS#18 REBAR WITH CAP
19	512604.35	496410.54	1625.29	TLS#19 NAIL
21	512477.16	496080.92	1626.18	TLS#21 REBAR WITH CAP
22	512557.61	495937.68	1631.38	TLS#22 CE MONUMENT B13
23	512641.18	495851.26	1638.98	TLS#23 CE MONUMENT B1
24	512404.07	496201.32	1617.56	TLS#24 NAIL
28	513171.02	496006.67	1624.05	TLS#28 CE MONUMENT
29	513210.11	495889.08	1628.70	TLS#29 CE MONUMENT
30	513897.63	494573.82	1712.56	TLS#30 CE MONUMENT
31	513875.19	494351.86	1727.42	TLS#31 CE MONUMENT
32	513793.16	494061.08	1746.95	TLS#32 REBAR WITH CAP
33	513653.63	493863.75	1752.77	TLS#33 REBAR WITH CAP
113	513170.63	496513.11	1601.53	TBM#213 HUB & TACK
202	513602.75	493671.72	1767.71	TBM#202 HUB & TACK
203	513774.21	494170.85	1732.01	TBM#203 BENCHTIE IN TREE
204	513886.72	494674.25	1703.09	TBM#204 BENCHTIE IN TREE
207	512576.35	495888.80	1632.98	TLS#207 BENCHTIE IN TREE
208	512528.30	496104.16	1621.03	TLS#208 BENCHTIE IN TREE
211	512826.03	496640.17	1603.92	TBM#211 BENCHTIE IN TREE
212	513026.72	496429.70	1608.48	TBM#212 CE MON A30



REVISIONS, DATE, AND INITIAL:

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WETLANDS AND SITE GRADING
 AS-BUILT SURVEY OF
MARTINS CREEK II
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 MURPHY

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